



VISAYAS
STATE UNIVERSITY

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Supply and Delivery of IT Equipment and Supplies (VSU-GOODS-23-46)

Government of the Republic of the Philippines

**November 09, 2023; 9:00 AM
BAC Conference Room, VSU Market, Visca, Baybay City, Leyte
and via Zoom**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



INVITATION TO BID FOR SUPPLY AND DELIVERY OF I.T. EQUIPMENT AND SUPPLIES AND OFFICE EQUIPMENT

- The *Visayas State University* through the *General Fund, Special Trust Fund, and Trust Fund* intends to apply the sum of *Six Million Eight Hundred Sixty Two Thousand Three Hundred Fifty Four Pesos (PhP 6,862,354.00)* being the ABC to payments under the contract for *Supply and Delivery of I.T Equipment and Supplies (VSU-GOODS-23-46)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *General Fund, Special Trust Fund, and Trust Fund* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item #	Description	Unit	Qty	Unit Price	Total Price
1	1TB, Hard disk Drive, 7200rpm, for desktop	pc	2	3,000.00	6,000.00
	☐11TB				
	☐SATA 6Gb/s interface optimizes burst performance;				
	☐64MB Cache				
	☐Average Data Rate, Read/Write : 156				
	☐Max Sustained Data Rate, OD Read (MB/s) : 210				
	☐Cache, Multisegmented (MB) : 64				
2	3D Printer Filament (ABS)	pc	1	2,000.00	2,000.00
	☐Mass: 1 KG (approximately 2.20 lbs) Spool				
	☐Filament Diameter: 1.75mm (Dimensional Accuracy +/- 0.03m				
	☐Extrusion/Nozzle Temperature: 210°C - 240°C (410°F - 464°F)				
	☐Spool Diameter: 7.88"				
	☐Spool Width: 2.69"				
	☐Spool Hub Hole Diameter: 2.20"				
	☐Color: Black				
	☐Material Type: ABS				
3	3D Printer Filament (TPU)	set	1	1,500.00	1,500.00
	☐Color: black				
	☐Item Diameter: 1.75 millimeters				
	☐Item weight: not less than 15.7 ounces				
	☐Material: Rep-Flex-Tpu- Vacuumed Sealed With Desiccant				
	☐Outside Diameter: 1.75 millimeters (+/- 0.05mm)				
	☐Recommended Extrusion/Nozzle Temp: 195 - 230 degree celsuis				
	☐Recommended Platform Temperature: 40 - 60 degree celsuis				

	<ul style="list-style-type: none"> ■Packing List:TPU Flexible Filament 1.75mm 250g(vacuum sealed) 				
4	3D Printer PLA filament	pc	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> ■Recommended Extrusion/Nozzle Temp: 90°C - 220°C (374°F~ 428°F) ■Heated Bed Temp: 25°C - 60°C (77°F~ 140°F) ■Filaments Diameter and Accuracy: 1.75 mm +/- 0.05 ■Filaments Net Weight: 1 kg (2.2 lbs) / Spool ■Build Surface: 200 mm x 200 mm (7.88" x 7.88") ■Type of filament: PLA 				
5	Android Smartphone	unit	1	7,000.00	7,000.00
	<ul style="list-style-type: none"> ■Specification: —Chipset: Mediatek Helio G80 (12 nm) —Operating system: Android 10 —ROM: at least 32 GB —RAM: at least 3GB —Screen Type: IPS LCD, at least 400 nits —Camera Front : at least 8 MP —Primary(Back) Camera Resolution at least 13MP —Resolution: at least 1080 x 2340 pixels —SIM: Dual SIM (Nano-SIM, dual stand-by) 				
6	Apple USB-C Digital AV Multiport Adapter Compatible with Mac and iPad	unit	1	4,000.00	4,000.00
	<ul style="list-style-type: none"> Connections: HDMI, USB, USB-C Compatible iPad Models: iPad Pro 12.9-inch (5th generation), iPad Pro 12.9-inch (4th generation), iPad Pro 12.9-inch Compatible Mac Models: MacBook Air (M2, 2022), MacBook Air (M1, 2020), MacBook Air (Retina, 13-inch, 2020), MacBook Air (Retina, 13-inch, 2018 - 2019), MacBook Pro (13-inch, M2, 2022), MacBook Pro (13-inch, M1, 2020) Genuine Apple Accessory 				
7	Camera with 28-70 mm Zoom Lens	pc	1	132,000.00	132,000.00
	<ul style="list-style-type: none"> Product Specification: Lens Lens Mount: E-mount Image Sensor Aspect Ratio: 3:2 Number Of Pixels (Effective): Approx. 24.2 megapixels Number of Pixels (total): Approx. 25.3 megapixels Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor Anti-Dust System: Charge protection coating on optical filter and image sensor shift mechanism Recording (still images) Image Size (pixels) [16:9]: 35 mm full frame L: 6000 x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 				

	(5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)				
	Image Size (pixels) [Sweep Panorama]				
	Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome				
	Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])				
	Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset				
	Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))				
	Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color				
	14bit RAW: Yes				
	Uncompressed RAW: Yes				
	Recording (movie)				
	Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant				
	Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color				
	Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key				
	Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])				
	Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset				
	Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD:				

	1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)				
	Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)				
	Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps				
	Slow and quick motion (recording frame rate and image size) : NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)				
	Movie Functions: Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist				
	Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit				
	Recording System				
	Location information Link from smartphone: Yes				
	Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card				
	Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card				
	Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy				
	Noise Reduction				
	Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off				
	Multi Frame NR				
	White balance				

	<i>White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom</i>				
	<i>AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step</i>				
	<i>Priority Set in AWB: Yes</i>				
	<i>Bracketing: 3 frames, H/L selectable</i>				
	<i>Focus</i>				
	<i>Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF)²</i>				
	<i>Focus Sensor: Exmor R[®] CMOS sensor</i>				
	<i>Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)</i>				
	<i>Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)</i>				
	<i>Focus Mode: AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus</i>				
	<i>Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) /Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)</i>				
	<i>Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.</i>				
	<i>AF Illuminator: Yes (with built-in LED type)</i>				
	<i>AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)</i>				
	<i>Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)</i>				
	<i>Exposure</i>				
	<i>Metering Type: 1200-zone evaluative metering</i>				
	<i>Viewfinder</i>				
	<i>Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED</i>				
	<i>Number of Dots: 2,359,296 dots</i>				
	<i>Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)</i>				
	<i>Color Temperature Control: Manual (5 steps)</i>				
	<i>Field Coverage: 100%</i>				
	<i>Magnification: approx. 0.78 x (with 50mm lens at</i>				

	<i>infinity, -1m-1)</i>				
	<i>Dioptr Adjustment: -4.0 to +3.0 m-1</i>				
	<i>Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)</i>				
	<i>Finder Frame Rate Selection</i>				
	<i>Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram</i>				
	<i>LCD Screen</i>				
	<i>Monitor Type: 7.5 cm (3.0-type) type TFT</i>				
	<i>Number of Dots: 921,600 dots</i>				
	<i>Touch Panel: Yes</i>				
	<i>Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode</i>				
	<i>Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees</i>				
	<i>Display Selector (Finder/LCD): Yes (Auto/Manual)</i>				
	<i>Real-time Image Adjustment Display (LCD): On/Off</i>				
	<i>Quick Navi: Yes</i>				
	<i>Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)</i>				
	<i>Zebra: Yes (selectable level + range or lower limit as custom setting)</i>				
	<i>Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)</i>				
	<i>Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</i>				
	<i>Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off</i>				
	<i>Other Features</i>				
	<i>PlayMemories Camera Apps™</i>				
	<i>Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)</i>				
	<i>Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x</i>				
	<i>Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8</i>				
	<i>Self-Portrait Self-Timer</i>				
	<i>Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS,</i>				

	<i>Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</i>				
	<i>Eye-Fi ready</i>				
	<i>Shutter</i>				
	<i>Type: Electronically-controlled, vertical-traverse, focal-plane type</i>				
	<i>Shutter Type</i>				
	<i>Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)</i>				
	<i>Flash Sync. Speed: 1/250 sec.3</i>				
	<i>Electronic Front Curtain Shutter: Yes (ON/OFF)</i>				
	<i>Silent Shooting: Yes (ON/OFF)</i>				
	<i>Image Stabilization</i>				
	<i>Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)</i>				
	<i>Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)</i>				
	<i>Flash Control</i>				
	<i>Control: Pre-flash TTL</i>				
	<i>Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\</i>				
	<i>Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.</i>				
	<i>Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4</i>				
	<i>External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe</i>				
	<i>FE Level Lock: Yes</i>				
	<i>Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)</i>				
	<i>Drive</i>				
	<i>Drive Modes: Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket</i>				
	<i>Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5</i>				
	<i>No. of recordable frames (approx.): JPEG Extra fine L:</i>				

	163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5				
	Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer				
	Playback				
	Photo Capture: Yes				
	Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp				
	Interface				
	PC Interface: Mass-storage, MTP, PC remote				
	Multi/micro USB terminal: Yes				
	USB Type-C® Terminal: Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)				
	NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing				
	Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV				
	HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB				
	Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))				
	Auto-lock Accessory Shoe				
	Multi Interface Shoe: Yes				
	Smart Accessory Terminal 2				
	Mic Terminal: Yes (3.5 mm Stereo minijack)				
	DC IN Terminal				
	Sync Terminal				
	Headphone Terminal: Yes (3.5 mm Stereo minijack)				
	Vertical Grip Connector: Yes				
	PC Remote: Yes				
	LAN Terminal				
	Print				
	Compatible Standards: Exif Print, Print Image Matching III, DPOF setting				

	<i>Custom function</i>				
	<i>Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set</i>				
	<i>Lens Compensation</i>				
	<i>Setting: Peripheral Shading, Chromatic Aberration, Distortion</i>				
	<i>Power</i>				
	<i>Supplied Battery: One rechargeable battery pack NP-FZ100</i>				
	<i>Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)⁸</i>				
	<i>Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard)⁹¹⁰</i>				
	<i>Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)⁹¹¹</i>				
	<i>Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>				
	<i>Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>				
	<i>Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>				
	<i>USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>				
	<i>Size & Weight</i>				
	<i>Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)</i>				
	<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>				
	<i>Audio</i>				
	<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>				
	<i>Speaker: Built-in, monaural</i>				
	<i>Others</i>				
	<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>				
8	Compact Document Scanner	unit	2	18,000.00	36,000.00
	<i>25ppm/50ipm, 2-sided colour scan speed</i>				
	<i>20 sheets Automatic Document Feeder (ADF)</i>				

	<i>Portable with micro-B USB3.0 Bus power</i>				
	<i>Dedicated plastic ID card slot</i>				
	<i>Scan to PC and USB host</i>				
	<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>				
	<i>Document Size - Multiple Papers - Width: 51 mm to 215.9 mm</i>				
	<i>Document Size - Multiple Papers - Length: 70 mm to 863 mm</i>				
	<i>Document Size - Single Papers - Width: 51 mm to 215.9 mm</i>				
	<i>Document Size - Single Papers - Length: 70 mm to 863 mm</i>				
	<i>Colour/Black: Yes/Yes</i>				
	<i>Duplex Scan: Yes</i>				
	<i>Color Depth - Input: 48-bit colour processing</i>				
	<i>Color Depth - Output: 24-bit colour processing</i>				
	<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>				
	<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>				
	<i>Scanning Width: Max 216mm</i>				
	<i>Grayscale: 256 levels</i>				
	<i>Memory Capacity: SDRAM: 256 MB</i>				
	<i>ADF: up to 20 sheets</i>				
	<i>Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0</i>				
9	Computer Printer	unit	1	15,000.00	15,000.00
	☑ <i>Compact integrated tank design</i>				
	☑ <i>Print speeds up to 10.5ipm for black and 5.0ipm for colour</i>				
	☑ <i>Auto-duplex printing</i>				
	☑ <i>Wi-Fi & Wi-Fi Direct</i>				
	☑ <i>Borderless Printing up to A4 size</i>				
	☑ <i>Spill-free ink refilling</i>				
	☑ <i>Warranty of 2 years or 30,000 pages, whichever comes first</i>				
	☑ <i>Printer Type:</i>				
	◀ <i>Print, Scan, Copy</i>				
	☑ <i>Printing Technology:</i>				
	☑ <i>Print Method:</i>				
	◀ <i>On-demand inkjet (piezoelectric)</i>				
	☑ <i>Minimum Ink Droplet Volume:</i>				
	◀ <i>3 pl</i>				
	☑ <i>Printer Language:</i>				
	◀ <i>ESC / P-R</i>				
	☑ <i>Print Direction:</i>				
	◀ <i>Bi-directional printing, Uni-directional printing</i>				
	☑ <i>Nozzle Configuration:</i>				
	◀ <i>180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)</i>				

	<ul style="list-style-type: none"> ☐ Maximum Resolution: 				
	<ul style="list-style-type: none"> ◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology) 				
	<ul style="list-style-type: none"> ☐ Automatic 2-sided Printing: 				
	<ul style="list-style-type: none"> ◀ Yes (up to A4) 				
	<ul style="list-style-type: none"> ☐ Print Speed: 				
	<ul style="list-style-type: none"> ☐ Photo Default - 10 x 15 cm / 4 x 6 " *2: 				
	<ul style="list-style-type: none"> ◀ 1 Approx. 69 sec per photo (Border) *1 				
	<ul style="list-style-type: none"> ◀ Approx. 92 sec per photo (Borderless) *1 				
	<ul style="list-style-type: none"> ☐ Draft, A4 (Black / Colour): 				
	<ul style="list-style-type: none"> ◀ Up to 33 ppm / 15 ppm *1 				
	<ul style="list-style-type: none"> ☐ ISO 24734, A4 Simplex (Black / Colour): 				
	<ul style="list-style-type: none"> ◀ Up to 10.5 ipm / 5.0 ipm *1 				
	<ul style="list-style-type: none"> ☐ ISO 24734, A4 Duplex (Black / Colour): 				
	<ul style="list-style-type: none"> ◀ Up to 6.0 ipm / 4.0 ipm *1 				
	<ul style="list-style-type: none"> ☐ Copy Speed: 				
	<ul style="list-style-type: none"> ☐ Copy Quality: 				
	<ul style="list-style-type: none"> ◀ Draft / Standard / Best Quality 				
	<ul style="list-style-type: none"> ☐ Maximum Copies from Standalone: 				
	<ul style="list-style-type: none"> ◀ 99 copies 				
	<ul style="list-style-type: none"> ☐ Reduction / Enlargement: 				
	<ul style="list-style-type: none"> ◀ 25 - 400%, Auto Fit Function 				
	<ul style="list-style-type: none"> ☐ Maximum Copy Size: 				
	<ul style="list-style-type: none"> ◀ A4, Letter 				
	<ul style="list-style-type: none"> ☐ ISO 29183, A4 Simplex Flatbed (Black / Colour): 				
	<ul style="list-style-type: none"> ◀ Up to 7.7 ipm / 3.8 ipm 				
	<ul style="list-style-type: none"> ☐ Max Copy Resolution:0 				
	<ul style="list-style-type: none"> ◀ 1440 x 720 dpi 				
	<ul style="list-style-type: none"> ☐ Scan Function: 				
	<ul style="list-style-type: none"> ☐ Scanner Type: 				
	<ul style="list-style-type: none"> ◀ Flatbed colour image scanner 				
	<ul style="list-style-type: none"> ☐ Sensor Type: 				
	<ul style="list-style-type: none"> ◀ CIS 				
	<ul style="list-style-type: none"> ☐ Optical Resolution: 				
	<ul style="list-style-type: none"> ◀ 1200 x 2400 dpi 				
	<ul style="list-style-type: none"> ☐ Maximum Scan Area: 				
	<ul style="list-style-type: none"> ◀ 216 x 297 mm (8.5 x 11.7 ") 				
	<ul style="list-style-type: none"> ☐ Scanner Bit Depth (Colour): 				
	<ul style="list-style-type: none"> ◀ 48-bit input, 24-bit output 				
	<ul style="list-style-type: none"> ☐ Scanner Bit Depth (Grayscale): 				
	<ul style="list-style-type: none"> ◀ 16-bit input, 8-bit output 				
	<ul style="list-style-type: none"> ☐ Scanner Bit Depth (Black & White): 				
	<ul style="list-style-type: none"> ◀ 16-bit input, 1-bit output 				
	<ul style="list-style-type: none"> ☐ Scan Speed: 				
	<ul style="list-style-type: none"> ☐ Flatbed (Black / Colour): 				
	<ul style="list-style-type: none"> ◀ 200 dpi: 11 sec / 200 dpi: 28 sec 				
	<ul style="list-style-type: none"> ☐ Paper Handling: 				
	<ul style="list-style-type: none"> ☐ Number of Paper Trays: 				

	◀1 (Paper Cassette)				
	▣Standard Paper Input Capacity:				
	◀100 sheets, A4 Plain paper (80 g/m2)				
	◀20 sheets, Premium Glossy Photo Paper				
	▣Output Capacity:				
	◀30 sheets, A4 Plain Paper				
	◀20 sheets, Premium Glossy Photo Paper				
	▣Maximum Paper Size:				
	◀215.9 x 1200 mm (8.5 x 47.24 ")				
	▣Paper Feed Method:				
	◀Friction feed				
	▣Paper Size:				
	◀Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6				
	▣Print Margin:				
	◀0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3				
	▣Card Slot / USB Host Function:				
	▣Type of Direct Printing:				
	◀Memory Device				
	▣Supported Memory Cards:				
	◀SD Memory Card				
	▣Printer Software:				
	▣Operating System Compatibility:				
	◀Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10				
	◀Windows Server 2003 / 2008 / 2012 / 2016				
	◀Only printing and scanning functions are supported for Windows Server OS				
	◀Mac OS X 10.6.8 or later				
	▣Interface:				
	▣USB:				
	◀USB 2.0				
	▣Network:				
	◀Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	▣Network Protocol:				
	◀TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD				
10	Computer Printer 3-in-1	unit	1	12,500.00	12,500.00
	▣with CIS Filled with Inks				
	▣Compact integrated tank design				
	▣High yield ink bottles				
	▣Spill-free, error-free refilling				
	▣Wi-Fi, Wi-Fi Direct				
	▣Borderless printing up to 4R				
11	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	5	14,000.00	70,000.00
	▣Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour				

	<ul style="list-style-type: none"> ☐Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles 				
	<ul style="list-style-type: none"> ☐Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices 				
	<ul style="list-style-type: none"> ☐3-in-1: Print, copy & scan and borderless photo printing 				
	<ul style="list-style-type: none"> ☐Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color 				
	<ul style="list-style-type: none"> ☐Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology 				
	<ul style="list-style-type: none"> ☐Ink Technology: Dye Ink 				
	<ul style="list-style-type: none"> ☐Printing Resolution: 5,760 x 1,440 DPI 				
12	Data logger module for Arduino UNO	pc	2	360	720
	SD card interface works with FAT16 or FAT32 formatted cards.				
	3.3V level shifter circuitry prevents damage to your SD card.				
	Real time clock (RTC) keeps the time going even when the Arduino is unplugged.				
	Included libraries and example code for both SD and RTC, means you can get going quickly.				
	Prototyping area for soldering connectors, circuitry or sensors.				
13	Desktop Computer (i3, 11th Gen)	set	1	40,000.00	40,000.00
	<ul style="list-style-type: none"> ☐Processor: Intel Core i3-11300 (4 cores /8 threads) or higher 				
	<ul style="list-style-type: none"> ☐Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200 				
	<ul style="list-style-type: none"> ☐8GB DDR4 2933 DIMM Desktop Memory or higher 				
	<ul style="list-style-type: none"> ☐SSD: 240GB NVMe or higher 				
	<ul style="list-style-type: none"> ☐Keyboard and Mouse Combo 				
	<ul style="list-style-type: none"> ☐Casing with Power Supply 				
	<ul style="list-style-type: none"> ☐Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz, 				
	<ul style="list-style-type: none"> ☐Operating System: Genuine Windows 10 Home (OEM) 				
	<ul style="list-style-type: none"> ☐AVR: 500W IC controlled 				
14	Desktop Computer (i7 Branded)	unit	2	75,000.00	150,000.00
	<ul style="list-style-type: none"> ☐CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher 				
	<ul style="list-style-type: none"> ☐HDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher 				
	<ul style="list-style-type: none"> ☐RAM: 8GB (8GBx1) DDR4 2666MHz or higher 				
	<ul style="list-style-type: none"> ☐Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher 				

	☐Screen: at least 23" IPS Monitor FHD				
	☐Optical Drive: No Optical Drive				
	☐USB Mouse and Keyboard				
	☐ Uninterruptible Power Supply (UPS): at least 600VA, at most 4 hours charging time				
	☐OS: Windows 10 Home Single Language (64bit) English or higher				
15	Desktop Computer, Assembled, 12th Gen Core i5	unit	1	50,000.00	50,000.00
	☐Processor: Intel Core i5 12500 with Intel® UHD Graphics 770 processor graphics or higher				
	☐Motherboard: Intel® H610 Motherboard with 6+1+1 Hybrid Phases Digital VRM Design, PCIe 4.0* Design, Gen3 x4 M.2, mATX form factor , Anti-Sulfur Resistor or higher				
	☐Memory: 16GB (2x8) 3200MHz DDR4 or higher				
	☐SSD: 500GB 3D NAND SSD PCIe Gen3x4 or higher				
	☐Casing: MATX casing with acrylic side panels				
	☐Power Supply: 450Watts 80+ Bronze Certified with 120mm thermally controlled low-noise cooling fan				
	☐Monitor: 23" IPS FHD, 72% NSTC color gamut with 75Hz refresh rate				
	☐Operating System: Genuine Windows 11 Pro				
	☐Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse				
	☐500W IC controlled AVR				
16	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD	set	4	49,000.00	196,000.00
	☐Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher				
	☐Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher				
	☐RAM: 16GB DDR4 3200 Mhz or higher				
	☐SSD: 512 GB NVMe PCIe Gen 3x4				
	☐HDD: 1 TB 7200 RPM				
	☐PSU: 650w 80 plus Bronze Certified				
	☐Casing: mATX Casing with transparent acrylic side panel				
	☐24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate				
	☐Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse				

	<ul style="list-style-type: none"> ☐ <i>Operating system: Genuine Windows 11</i> 				
17	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C	unit	12	80	960
	<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>				
18	EPSON M200 Ink 774 black	btl	3	645	1,935.00
	<i>Epson Genuine 774 Pigment Black 140ml Ink for M200;</i>				
19	External Hard Drive, 1 TB	unit	2	3,000.00	6,000.00
	<i>Capacity: 1TB</i>				
	<i>Connection interface: USB 2.0/3.0</i>				
	<i>Storage Media: 2.5" SATA HDD</i>				
	<i>Op. Voltage: USB DC 5V</i>				
	<i>Size :129.5mm x 82.4mm x 20.4mm</i>				
	<i>Weight: 216g</i>				
20	Global Positioning System (GPS)	unit	1	35,000.00	35,000.00
	<i>4-inch dual-orientation,</i>				
	<i>glove friendly touchscreen display;</i>				
	<i>8 megapixel autofocus camera;</i>				
	<i>automatically geotags photos; tracks both GPS and GLONASS satellites;</i>				
	<i>1-year birds Eye Satellite Imagery subscription;</i>				
	<i>3-axis compass with barometric altimeter</i>				
21	HDMI Cable	pc	2	300	600
	<i>3m</i>				
22	HDMI Cable, 10m	meter	4	700	2,800.00
	☐ <i>10 meters</i>				
	☐ <i>Nylon braided</i>				
	☐ <i>1.4 version 3D support</i>				
	☐ <i>Support all high resolutions including 480p, 720p, 1080p and 1180p.</i>				
	☐ <i>Multi -channel digital audio with a 10.2 Gbps bandwidth</i>				
	☐ <i>HDMI AV cable for HDTV</i>				
	☐ <i>HDMI EMI/RFI Compliant Cable</i>				
	☐ <i>24k GOLD plated HDMI plugs</i>				
	☐ <i>ROHS compliant cable.</i>				
23	Headset with Noise Cancelling Mic	unit	2	1,800.00	3,600.00
	☐ <i>Input Impedance: at least 32 Ohms</i>				
	☐ <i>Sensitivity (headphone): at least 94 dBV/Pa +/- 3 dB</i>				
	☐ <i>Sensitivity (microphone): -17 dBV/Pa +/- 4 dB</i>				
	☐ <i>Frequency response (Headset): 20 Hz - 20 KHz</i>				
	☐ <i>Frequency response (Microphone): 100 Hz - 10 KHz</i>				
	☐ <i>Cable Length: at least 7 ft</i>				
	☐ <i>Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter</i>				
24	Ink Cartridge Canon G2010	pc	20	1,000.00	20,000.00

25	Ink continuous, refill, black (Brother DCP T310)	btl	10	400	4,000.00
	<i>Ink continuous, refill, black (Brother DCP T310) BTD60 BK - Black;</i>				
26	Ink, Brother BT5000C Cyan	btl	5	500	2,500.00
27	Ink, Brother BT5000M Magenta	btl	5	500	2,500.00
28	Ink, Brother BT5000Y Yellow	btl	5	500	2,500.00
29	Ink, Epson 003,Genuine Black 65mL	btl	35	350	12,250.00
30	Ink, EPSON 003,Genuine Cyan 65mL	btl	16	350	5,600.00
31	Ink, EPSON 003,Genuine Magenta 65mL	btl	11	350	3,850.00
32	Ink, EPSON 003,Genuine Yellow 65mL	btl	16	350	5,600.00
33	Ink, Epson, genuine, (BK) T664, 70 ml	pc	4	350	1,400.00
34	ANTI VIRUS 1 DEVICE 2 YEARS	pc	3	1,000.00	3,000.00
35	INTERNET SECURITY 1 DEVICE 1 YEAR	pc	3	700	2,100.00
36	Keyboard And Mouse Combo Bundle, USB powered	set	2	600	1,200.00
	☐Keyboard				
	◀Keycaps: A-Shape, Round Edge				
	◀Hotkeys: No				
	◀Character: Laser Engraving				
	◀Adjustable Keyboard Legs: Yes				
	◀Rating: 5 V / 30 mA				
	☐Mouse				
	◀Report Rate: 125 Hz				
	◀Sensor: Optical				
	◀Resolution: 1000 DPI				
	◀Rating: 5 V / 100 mA				
	◀Buttons No.: 3				
	◀Ergonomic Design: Symmetric				
	◀Size: Middle / Big Hands				
37	LCD Projector (XGA), 3LCD Technology	unit	22	25,000.00	550,000.00
	☐Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology				
	☐White Light Output (Normal/Eco):3,600 lm				
	☐Colour Light Output:3,600 lm				
	☐Resolution XGA, at least 1024 x 768,				
	☐Analog Input:D-Sub 15pin: 1				
	☐Digital Input:HDMI: 1				
	☐LCD:Native Resolution: XGA (1024 x 768)				
	☐Size: 0.55" (C2fine)				
	☐Lightsource:Type: 210W UHE				
	☐Life (Normal / Eco): 6,000 / 12,000 hours				
	☐Aspect Ratio:4:3				
	☐USB Interface:USB Type B: 1 (For Firmware Update, Copy OSD Settings)				
	☐Analog Input:D-Sub 15pin: 1				
	☐Digital Input:HDMI: 1				
38	LCD Projector, XGA (1024x768)	unit	13	27,000.00	351,000.00
	☐Projection Method: Front/rear/ceiling mount				

	Pixel Number: at least 786,432 dots (1024 x 768) x 3				
	Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4				
	Aspect ratio: 4:3				
	Lamp Life: ECO Mode up to 5000 hrs				
	Normal Mode up to 4000 hrs				
	Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen)				
	Keystone Correction: Manual				
	USB Plug 'n Play: Compatible w/ PC and MAC computers				
	Contrast Ratio: 15.000 : 1				
	Color Reproduction: 16.77 million color				
39	Mouse, Wired, Optical, USB	pc	3	210	630
	USB Port Connectivity				
	Sensor: Optical				
	DPI: 1600				
	Work method: Wired				
	Buttons: Left button, middle button, right button				
	Scroll wheel direction: Two way				
	Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design				
40	NETBOOK	unit	1	16,000.00	16,000.00
	PROCESSOR INTEL 4th GENERATION PROCESSOR or higher				
	PROCESSOR MODEL INTEL CORE i3/i5/i7				
	STORAGE CAPACITY 16GB or higher				
	SOLID STATE DISK CAPACITY 512GB or higher				
	MECHANICAL HARD DISK CAPACITY 500GB HDD or higher				
	SCREEN SIZE 15.6 INCHES - 14 INCHES				
41	Printer, All-in-One Wireless Ink Tank Color	unit	16	11,000.00	176,000.00
	Product Description				
	Product Details of All-in-One Wireless Ink Tank Colour Printer				
	Printing resolution(dpi): 4800(horizontal) x 1200(vertical)				
	Interface: USB Port=Hi-Speed USB *1, LAN Port=Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b*2				
	Multiple copy: Max. 20 pages				
	Maximum scanning size: A4/Letter, 8.5" x 11.7"/216x297 mm				
	Multiple Copy: Mx. 99 pages				
	Scanner Driver: Windows=TWAIN 1.9 Specification, WIA				
	Scanning resolution: optical resolution (horizontal x vertical)= 600 x 1200 dpi				

	◀ Gradation (input/Output): Gray=16bit/8bit, Color=RGB each 16bit/8bit				
	◀ Data Compressing System: Black=MH, MR, MMR, Color= JPEG				
	◀ Modem Speed: Max. 33.6 kbps				
	◀ Density adjustment: 3 levels				
	◀ Memory: Transmission/reception= approx. 50 pages				
	◀ Color: 200 x 200 dpi				
	◀ Operating System: Windows 10,8.1,7 SP1				
	◀ Hard Disk Space: 3.1GB				
	◀ Display: XGA 1024 x 768				
	◀ Connectivity Type: WiFi				
	◀ Wireless LAN: Supported Standards: IEEE802.11n / IEEE802.11g / IEEE802.11b				
	◀ Frequency bandwidth: 2.4 GHz				
	◀ WCN (WCN-NET) • Easy wireless connect				
	◀ Other Features: Administration password				
	◀ Other Supported OS: iOS, Android, Windows 10 Mobile				
	◀ Mobile Printing Capability: Google Cloud Print, Apple AirPrint				
42	Printer, computer, continuous ink system, 4-in-1 (Print, Scan, Xerox copy, Fax with ADF)	unit	3	22,000.00	66,000.00
	▣ Print Method: On-demand ink jet (piezoelectric)				
	▣ Minimum Ink Droplet Volume: 3 pl				
	▣ Print Direction: Bi-directional printing, Uni-directional printing				
	▣ Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)				
	▣ Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
	▣ USB: USB 2.0				
	▣ Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	▣ Network Protocol: TCP/IPv4, TCP/IPv6				
43	SD Card, 1 TB	pc	3	800	2,400.00
	U3 4K C10 V30				
	Capacity: 1 TB				
	Compatibility: Compatible with microSDHC/SDXC, /SDHC UHS-I/microSDXC UHS-I supporting host devices				
	Sequential Read Performance: 200MB/s				
	Sequential Write Performance: 140MB/s				
	Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm				
44	Stereo Speaker for PC Desktop	pc	1	10,000.00	10,000.00
	Product Description				
	Quantum Duo PC speakers with the different color presets and lighting patterns				

	<i>General Specifications:</i>				
	<i>Output power (W)</i> 20				
	<i>Audio Specifications:</i>				
	<i>Dynamic frequency response range (Hz)</i>				
	60 Hz - 20K Hz				
	<i>Dimensions:</i>				
	<i>Dimensions (cm)</i>				
	8.9 x 21 x 17.6				
	<i>Dimensions (in)</i>				
	3.5 x 8.3 x 6.9				
	<i>Weight (kgs)</i> 2.8				
	<i>Weight (lbs)</i> 6.2				
	<i>Control and Connection Specifications:</i>				
	<i>Bluetooth profiles</i>				
	A2DP v1.3, AVRCP v1.5				
	<i>Bluetooth frequency</i>				
	2402 MHz - 2480 MHz				
	<i>Bluetooth transmitted modulation</i>				
	GFSK, $\pi/4$ DQPSK, 8DPSK				
	<i>Bluetooth transmitter power</i>				
	≤ 12.5 dBm (EIRP)				
	<i>Bluetooth version</i>				
	4.2				
45	Temperature and Humidity Sensor DHT11	pc	6	270	1,620.00
	<i>Operating voltage: 3.3v-5.5v</i>				
	<i>Humidity measuring range: 20%-95%</i>				
	<i>Small plates PCB size: 3.2cm x 1.4cm</i>				
46	Temperature and Humidity Sensor, DHT22	pc	6	350	2,100.00
	☐Sensing element				
	◀polymer capacitor				
	☐Power supply				
	◀3.3 to 6V DC				
	◀Operating range				
	◀0-100% RH;				
	◀-40 to 80 celsius Temp				
	☐Dimension				
	◀22 x 28 x 5 mm				
47	Temperature-Humidity Data Logger	pc	2	2,000.00	4,000.00
	☐Portable and hand-held				
	☐16000 data recording capacity.				
	☐Adjustable record interval: 10s~24hour				
	☐Multi-function LCD				
	☐Internal NTC temperature thermal sensor with optional external sensor				
	☐Data export in PDF/EXCEL via data management software				
	☐Selectable °F/°C temperature unit				
	☐Size: approx. 84 (L) x 44(W) x 20 (H) mm				

	☑Good quality				
	☑Durable				
48	UPS 800W (for Computer)	unit	3	5,000.00	15,000.00
	☑Charging time: At most 4 hours;				
49	USB Hub, 4 gangs	pc	4	680	2,720.00
	MS Universal USB 3.0 Multi-Port Socket at least 4 ports				
	Plug type: US, EU				
50	Web Camera for PC	unit	6	2,500.00	15,000.00
	☑Image sensor: 1 / 2.9				
	☑Lens: 3.6mm/75.7 °				
	☑Effective pixel: 1932 (H) * 1088 (V)				
	☑Horizontal resolution: 2MP				
	☑SNR: > 50dB				
	☑Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360				
	☑Video Frame rate: 25FPS / 30FPS				
	☑Electronic shutter: Auto				
	☑Protocol: UVC / UVA				
	☑Video output: USB video stream				
	☑Working voltage: DC5V / 160mA ± 6mA				
	☑Working environment: -20 °C to 60 °C				
51	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti	set	1	50,000.00	50,000.00
	Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock, 4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher				
	☑Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher				
	☑Graphics: GTX 1660 ti				
	☑Monitor: 24"				
	☑Memory: 16GB DDR4 3200MHZ(8+8) or higher				
	☑Storage: 512g SSD M2 or higher				
	☑Storage: 1TB HDD				
	☑Keyboard and Mouse				
	☑Audio: HD audio Realtek				
	☑Operating System: Genuine Windows 10 or higher				
52	Laptop (Pentium Dual Core)	pc	2	30,000.00	60,000.00
	☑Processor: Intel Pentium Gold 4417u Processor or higher				
	☑Memory: at least 4GB DDR4 or higher				
	☑Storage: at least 128GB SSD				
	☑Display: 14" HD (1366x768) LED Display				
	☑Video Processor: nVidia MX110 2GB VRAM or				

	<i>higher</i>				
	☑Connectivity: 802.11AC WiFi + BT USB3.0 Port HDMI Port				
	☑Operating System: Genuine Windows 10 Home				
53	Desktop Computer (i7) Branded, with 24" FHD IPS Monitor	unit	1	100,000.00	100,000.00
	☑Processor Type: Intel Core i7 (2.1 GHz base frequency, up to 4.9 GHz with Intel Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads) or higher				
	☑Memory: 16 GB DDR4-3200 SDRAM (1 x 16 GB) or higher				
	☑Hard Drive: 512 GB PCIe NVMe M.2 SSD; 1 TB 7200 rpm SATA HDD				
	☑OS: Windows 11				
	☑"Expansion Slot: 2 x PCI Express Slots (1 x PCI-Ex16 ,1 x PCI-Ex1), 2 x M.2 Expansion Slots (1 for SSD; 1 for WLAN)", Expansion Bay: HDD 3.5" x 2 (or HDD 3.5" x 1 + HDD 2.5" x1) + 9.5mm slim ODD x 1				
	☑Monitor: 24" FHD IPS Monitor				
	☑Graphics: NVIDIA GeForce GTX 1660 SUPER (6 GB GDDR6 dedicated)				
	☑Power Supply: 350 W 80 Plus Gold certified power supply				
	☑Keyboard & Mouse: Wireless Keyboard and mouse combo				
	☑LAN: Integrated 10/100/1000 GbE LAN				
	☑"WLAN: Realtek Wi-Fi 6 (2x2) and Bluetooth 5.2 combo (Supporting Gigabit data rate) MU-MIMO supported " Bluetooth: YES				
	☑Ports: Front: 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C 5Gbps signaling rate; Rear: 4 USB 2.0 Type-A				
	☑Speakers:				
	◀Single USB cable for computers and laptops enjoy a hassle-free Audio experience with a single USB cable without the need for a power adapter				
54	HP, Laser Jet 107a Toner HP 107A (W1107A), Black	pc	4	3,250.00	13,000.00
55	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)	unit	1	11,000.00	11,000.00
	☑Tank Ink System				
	☑Printer Type: Print, Scan and Copy				
	☑Scanner Type: Flatbed colour image scanner				
	☑Sensor Type: CIS				
	☑Optical Resolution: 600 x 1200 dpi				
	☑Copy Speed: Maximum Copies from Standalone: 20 copies				
	☑Maximum Copy Size: A4, Letter				

	<ul style="list-style-type: none"> ☐ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm 				
	<ul style="list-style-type: none"> ☐Max Copy Resolution: 300 x 300 dpi 				
	<ul style="list-style-type: none"> ☐Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard 				
	<ul style="list-style-type: none"> ☐Output Capacity: Up to 30 sheets 				
	<ul style="list-style-type: none"> ☐A4 plain paper: 20 sheets, Premium Glossy Photo Paper 				
	<ul style="list-style-type: none"> ☐Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24") 				
	<ul style="list-style-type: none"> ☐Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow) 				
	<ul style="list-style-type: none"> ☐Print Direction: Bi-directional printing 				
	<ul style="list-style-type: none"> ☐Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology) 				
	<ul style="list-style-type: none"> ☐Minimum Ink Droplet Size: 3 pl 				
56	Toner Cartridge, HP 85A CE285A, Black	box	4	3,500.00	14,000.00
	HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w				
	HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C				
57	1 Lot LAN Cable	lot	1	84,000.00	84,000.00
	7 spools at 12,000.00 each				
	LAN Cable, Cat 6 (VSU existing fleet Belden)				
	Cat6 UTP cable, 4 pairs, AWG23, e-spline center, UL listed, ISO, 305m(1000ft)/spool				
58	1 Lot Network Infrastructure (Miscellaneous)	lot	1	91,000.00	91,000.00
	Network IP Phones:				
	3 units at 7,000.00				
	Cisco CP-6821 (same existing fleet of VSU IP Phones)				
	IP Network Camera:				
	5 units at 3,500.00				
	Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)				
	3M Volition (Same fleet of VSU existing) Face plate with module, flush type				
	*2 Ports Face plate with RJ-45 Module Cat 6				
	25 sets at 850.00				
	3M Keystone				
	Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)				
	Re-usable				
	Shallow Depth, Cable Entry from top or bottom				
	Keystone Mounting				
	Accepts both solid conductors from AWG 26 to 22 and stranded conductors				

	<i>Integral shutter Benefits</i>				
	<i>Easy and quick to install</i>				
	<i>Integral shutter protects jack in the patch panel</i>				
	<i>*1 Port Face plate with RJ-45 Module Cat 6</i>				
	<i>25 sets at 450.00</i>				
	<i>3M Keystone</i>				
	<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>				
	<i>Re-usable</i>				
	<i>Shallow Depth, Cable Entry from top to bottom</i>				
	<i>Keystone Mounting</i>				
	<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>				
	<i>Integral shutter Benefits</i>				
	<i>Easy and quick to install</i>				
	<i>Integral shutter protects jack in the patch panel</i>				
	<i>Grounding FA1-H Biometric System (Same with existing VSU fleet)</i>				
	<i>2 units at 10,000.00</i>				
	<i>Biometric System, finger print and facial recognition</i>				
	<i>Built-in backup battery</i>				
	<i>Network port</i>				
59	1 Lot Network Switches	lot	1	450,000.00	450,000.00
	<i>6 units at 75,000.00 each</i>				
	<i>Network Switches:</i>				
	<i>Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)</i>				
	<i>*PoE, PoE+ (370watts)</i>				
	<i>*24 ports</i>				
	<i>*Up to 104 Gbps capacity</i>				
	<i>*Layer 2</i>				
	<i>*Fast Ethernet, 1GbE</i>				
	<i>*Lifetime Warranty</i>				
60	1 Lot Network Switches (2)	lot	1	190,000.00	190,000.00
	<i>2 units at 95,000.00 each</i>				
	<i>Network Switches:</i>				
	<i>HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)</i>				
	<i>PoE, PoE+ (370 watts)</i>				
	<i>24 ports</i>				
	<i>Up to 176 Gbps Switching capacity</i>				
	<i>Layer 2 with Static and RIP</i>				
	<i>1G, SFP, SFP+</i>				
	<i>Lifetime Warranty</i>				
61	1 Lot Uninterruptible Power Supply (UPS)	lot	1	54,000.00	54,000.00
	<i>UPS: 9 units at 6,000.00</i>				
	<i>1000 watts, 1500VA, Universal type of outlet, built-in AVR</i>				
62	Network Wifi Access Points	lot	1	300,000.00	300,000.00

	20 units Network WiFi Access Points				
	Unifi Nano HD				
	(Existing fleet of VSU Wifi Access Points)				
63	Network Switch	unit	4	15,000.00	60,000.00
	☐Standards: IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3az				
	☐Number of Ports: 24 Gigabit				
	☐Speed: 10/100/1000				
	☐Bandwidth: 48 Gbps (non-blocking)				
	☐Performance: Full line rate and forwarding rate of 64B frame at: 1.488Mpps for 1000M port , 0.1488Mpps for 100M port, 0.01488Mpps for 10M port				
	☐Quality of Service: 802.1p and DSCP				
	☐MAC Address Table: 8K				
64	UTP Cable (305 meters), CAT 6 23 AWG	unit	3	7,500.00	22,500.00
	☐UTP Cable cat6				
	☐Cat 6 Cable UTP Unshielded AWG23				
	☐Gray Data LAN Cable				
	☐1000 feet 305m 1000ft.				
	☐must be UL listed & ISO certified cable				
65	Laptop, 14" (i7)	unit	5	75,000.00	375,000.00
	☐Processor: Intel Core i7 10th generation or higher				
	☐Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5				
	☐Memory: at least 8GB DDR4-2666				
	☐Storage: at least 256GB SSD M.2 + 1TB HDD				
	☐Display: 14" FHD (1920x1080) IPS 250nits Anti-glare				
	☐Touchscreen: None				
	☐Optical: None				
	☐Media Reader: 4-in-1 Card Reader				
	☐Ethernet: None				
	☐WLAN + Bluetooth				
	☐Camera: at least 720p				
	☐Microphone: at least 2x, Array				
	☐Operating System: licensed Windows 10 Home or Pro				
	☐Bundled Software: Microsoft Office Perpetual License				
	☐Repair and replacement should be at most 3 month from returning the unit				
	☐at least 3 years Warranty				
	☐FREE: Backpack				
66	HDMI to HDMI cable	pc	30	500	15,000.00
	chord 1.8 meter long				
67	External Hard Disk Drive (Portable, 2TB), USB	unit	1	4,200.00	4,200.00
	☐Shock-absorbing				
	☐Interface: USB 3.1 (Max.5Gb/s)				
	☐Capacity: 2TB				

	☐Texture: Plastic/Rubber				
	☐Operating Voltage: DC 5V, 900mA				
	☐System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
68	Multimedia Speakers 2.0, 6W, USB powered	pair	2	600	1,200.00
	Total Output Power (RMS): 6W				
	Satellite wattage (RMS):3W				
	Satellite Driver : Size : 2.5"				
	Frequency Range: 70-20000 Hz				
	Interface: 3.5mm jack				
	Housing material : ABS				
	Controls: Overall Volume				
	Power Supply: via USB, 5V				
69	DJI Inspire 2 TB50 Intelligent Flight Battery	pc	4	10,000.00	40,000.00
70	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh	pc	2	15,000.00	30,000.00
71	A4 Pigment Printer	lot	1	20,000.00	20,000.00
72	Smartphone for 3D and Internet-of-Things Development and Controls	unit	1	80,000.00	80,000.00
	6-core CPU with 2 performance and 4 efficiency cores; 5-core GPU; 16-core Neural Engine				
	Gold Finish				
	6.1-inch (diagonal) all-screen OLED display				
	2556-by-1179-pixel resolution at 460 ppi				
	256 GB				
	Rated IP68 (maximum depth of 6 meters up to 30 minutes) under IEC standard 60529				
	TrueDepth camera for facial recognition				
	Precision dual-frequency GPS (GPS, GLONASS, Galileo, QZSS, and BeiDou)				
	Digital compass				
	Wi-Fi				
	Cellular				
	iBeacon microlocation				
	LiDAR Scanner				
	Barometer				
	High dynamic range gyro				
	High-g accelerometer				
	Proximity sensor				
	Dual ambient light sensors				
73	Arduino UNO microcontroller, Microchip AT mega328P	unit	6	1,500.00	9,000.00
74	Computer Monitor 24", IPS, Bezel-less Full HD Monitor	set	8	7,000.00	56,000.00
	☐Panel Type: IPS				
	☐Brightness(Typical): 250cd/ m ²				
	☐Brightness(Min): 200cd/ m ²				

	☐ Contrast Ratio Static: 1000:1(typical)				
	☐ Dynamic Contrast Ratio: MegaFlat				
	☐ Resolution: 1920x1080				
	☐ Response Time: 5ms(GTG)				
	☐ Max Color Support: Max 16.7M				
	☐ Max Refresh Rate: Max 75Hz				
	☐ Interface: D-sub(x1), HDMI(x1)				
75	CPU (Central Processing Unit)	pc	2	15,000.00	30,000.00
	☐ AMD A10-8770 Processor				
	☐ Motherboard compatible with the processor				
	☐ Kingston 4GB DDR4-2666 Memory				
	☐ CPU Casing w/ PSU				
	☐ 256GB SSD				
76	External Hard Disk Drive (Portable, 1TB), USB 3.1	unit	15	3,500.00	52,500.00
	☐ Shock-absorbing				
	☐ Interface: USB 3.1 (Max.5Gb/s)				
	☐ Capacity: 1TB				
	☐ Texture: Plastic/Rubber				
	☐ Operating Voltage: DC 5V, 900mA				
	☐ System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later				
77	Ink, T05C1, BLACK, Genuine	pack	10	8,000.00	80,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
78	Ink, T05C2, Cyan, Genuine	pack	10	9,000.00	90,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
79	Ink, T05C3, Magenta, Genuine	pack	10	9,000.00	90,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
80	Ink, T05C4, Yellow, Genuine	pack	10	9,000.00	90,000.00
	(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)				
81	Laptop 14" (i5)	unit	20	49,500.00	990,000.00
	☐ Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher				
	☐ Operating system: Windows 10 Home				
	☐ Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher				
	☐ Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC				
	☐ Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher				
	☐ Storage: 512GB PCIe Gen3 x2 SSD				

82	Universal HDMI to VGA Adapter Cable, at least 1.8 meters	unit	10	600	6,000.00
83	Desktop Computer with 2 Units Printer	unit	1	120,000.00	120,000.00
	<i>Desktop Computer with 2 units Printers</i>				
	<i>Intel Core i7-13400, 10C (6P + 4E) / 16T, P-core 2.5 / 4.6GHz, E-core 1.8 / 3.3GHz, 20MB or higher</i>				
	<i>mATX B760 Chipset Motherboard with Hybrid 8+1+1 Phases Digital VRM Solution/ Advanced Thermal Design & M.2 Thermal Guard</i>				
	<i>16GB UDIMM DDR4-3200 or higher</i>				
	<i>1TB SSD M.2 2280 PCIe 4.0x4 NVMe</i>				
	<i>600Watts Bronze Certified PSU or higher</i>				
	<i>Casing with Acrylic Side Panels</i>				
	<i>NVIDIA GeForce RTX 3050 8GB GDDR6</i>				
	<i>Wi-Fi 6, 11ax 2x2 + BT5.1</i>				
	<i>24" IPS Monitor, 75Hz</i>				
	<i>4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection,UPS</i>				
	<i>Genuine Windows 11 Home</i>				
	<i>With: UPS, Keyboard, Mouse, Web Camera and Headset</i>				
	<i>Computer Printer, All-in-One Multifunction, Colored Ink Tank</i>				
84	Laptop	unit	1	80,000.00	80,000.00
	<i>Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher</i>				
	<i>16GB RAM or higher</i>				
	<i>512GB M.2 NVMe PCIe 3.0 SSD or higher</i>				
	<i>16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate</i>				
	<i>NVIDIA Geforce RTX 3050 4GB Laptop GPU 4GB GDDR6</i>				
	<i>Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card</i>				
	<i>Windows 11 Home</i>				
85	Epson 003 Ink Bottle for Epson L3150, Black	btl	6	400	2,400.00
86	Epson 003 Ink Bottle for Epson L3150, CYAN	btl	6	400	2,400.00
87	Epson 003 Ink Bottle for Epson L3150, MAGENTA	btl	6	400	2,400.00
88	Epson 003 Ink Bottle for Epson L3150, YELLOW	btl	6	400	2,400.00
89	Router, Wireless	pc	1	4,900.00	4,900.00
	<i>☑Enjoy the benefits of Wireless-N300 (802.11n) in your home ideal for surfing the web, emailing and printing wirelessly</i>				
	<i>☑Connect your computers, wireless printers, smartphones, and other wireless devices at up to 300 Mbps transfer speed</i>				
	<i>☑Enjoy broad wireless coverage provided by MIMO antenna technology</i>				
	<i>☑Use four Fast Ethernet (10/100 Mbps) ports to</i>				

	<i>directly connect wired devices</i>				
	<input checked="" type="checkbox"/> <i>Keep your network protected with customizable security settings, including WPA/WPA2 Personal and SPI firewall protection</i>				
90	Laptop	unit	1	49,999.00	49,999.00
	<i>Operating System</i>				
	<i>Windows 11 Home Single Language</i>				
	<i>Operating System Architecture 64-bit</i>				
	<i>Processor: Intel Core™ i5 -12500H or higher</i>				
	<i>Processor Speed 2.50 GHz</i>				
	<i>Processor Core Dodeca-core (12 Core™)</i>				
	<i>Processor Generation 12th Gen</i>				
	<i>Graphics Controller Manufacturer: NVIDIA®</i>				
	<i>Graphics Controller Model</i>				
	<i>GeForce® RTX™ 3050</i>				
	<i>Graphics Memory Capacity 4 GB</i>				
	<i>GDDR6</i>				
	<i>Graphics Memory Accessibility</i>				
	<i>Dedicated</i>				
	<i>GPU Boost Clock</i>				
	<i>Up to 1600 MHz</i>				
	<i>Maximum Graphics Power</i>				
	<i>Up to 95 W</i>				
	<i>Screen Size: 39.6 cm (15.6")</i>				
	<i>Display Screen Type: LCD</i>				
	<i>Backlight Technology: LED</i>				
	<i>Screen Resolution: 1920 x 1080</i>				
	<i>Standard Refresh Rate</i>				
	<i>144 Hz</i>				
	<i>Total Installed System Memory: 8 GB</i>				
	<i>DDR4 SDRAM</i>				
	<i>Total Solid State Drive Capacity ; 512 GB</i>				
	<i>Solid State Drive Interface</i>				
	<i>PCI Express</i>				
	<i>Wireless LAN Standard</i>				
	<i>IEEE 802.11 a/b/g/n/ac/ax</i>				
	<i>Wireless LAN Model</i>				
	<i>Wi-Fi 6 AX 1650i</i>				
	<i>Ethernet Technology</i>				
	<i>Gigabit Ethernet</i>				
	<i>Bluetooth Standard</i>				
	<i>Bluetooth 5.1 or above</i>				
	<i>Built-in Devices</i>				
	<i>Microphone</i>				
	<i>Interfaces/Ports</i>				
	<i>HDMI</i>				
	<i>Number of HDMI Outputs: 1</i>				
	<i>Number of USB 3.2 Gen 1 Type-A Ports: 1</i>				

	<i>Number of USB 3.2 Gen 2 Type-A Ports: 2</i>				
	<i>Number of USB 3.2 Gen 2 Type-C Ports:1</i>				
	<i>Total Number of USB Ports:4</i>				
	<i>USB Type-C</i>				
	<i>USB Type-C Detail</i>				
	<i>USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W</i>				
	<i>Network (RJ-45)</i>				
	<i>Pointing Device Type</i>				
	<i>TouchPad</i>				
	<i>Keyboard Backlight</i>				
	<i>TouchPad Features</i>				
	<i>Multi-touch Gesture</i>				
	<i>4-cell Lithium Ion (Li-Ion) Battery</i>				
	<i>Maximum Power Supply Wattage 180 W</i>				
	<i>Product Color Obsidian Black</i>				
	<i>Miscellaneous</i>				
	<i>Package Contents</i>				
	<i>Nitro 5 AN515-58-50YE Gaming Notebook</i>				
	<i>Lithium Ion Battery</i>				
	<i>AC Adapter</i>				
	<i>Security Features</i>				
	<i>Firmware Trusted Platform Module (TPM) solution</i>				
	<i>Kensington lock slot</i>				
	Rebidding - VSU-GOODS-23-36				
91	4000W Power Inverter + 3A solar controller kit	set	1	5,000.00	5,000.00
	Specifications:				
	Output Voltage 220V				
	Color: Yellow Black				
	Material: Plastic				
	Waveform: Modified Sine Wave				
	Surge Peak Power: 4000W				
	Input voltage: 12V				
	Input voltage Range; 9.5V - 15.5V				
	Output Voltage Range: 220V+ 10%				
	Frequency: 50Hz				
	Efficiency 90%				
	Circuit topology push-pull				
	No load current < 0.7A				
	Low voltage protection: Minimum protection voltage 9.5V				
	High voltage protection: Max protection voltage 15.5V				
	Overload protection: Yes				
	Output short circuit protection: Yes				
	Positive and negative reverse connection protection: YES				

	Output regulation: Yes				
	Display Scree: Display Output Voltage Battery Voltage				
	Input terminal wiring: terminal				
	Output interface: 1Socket, 2* USB				
	USB Output 2.14				
	Car Cigarette Plug Length: 42.5cm/16.7inch				
	Battery clips length 46.8cm / 6.334.4* 2.2 inch				
	(NOTE: see attached specifications)				
92	Automatic Voltage Regulator, 5000 VA, Servo-motor controlled	pc	1	8,000.00	8,000.00
	Capacity: 5000 VA				
	Input Voltage: 160-240 V				
	Output Voltage: 110/220 V				
	Phase: Single				
	Control System: Servo-Motor Control				
	Response Time: within 4sec against 10%, Input Fluctuation				
	Overload Protection				
	Time Delay Function				
	Analog Volt Meter and Ammeter				
93	Camera	unit	1	55,000.00	55,000.00
	SENSOR TYPE: 1.0-type (13.2 mm x 8.8 mm) Exmor RS® CMOS sensor, aspect ratio 3:2				
	NUMBER OF PIXELS (EFFECTIVE): Approx. 20.1 Megapixels				
	LENS TYPE: ZEISS® Vario-Sonnar® T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)				
	F-NUMBER (MAXIMUM APERTURE): F1.8(W)–2.8(T)				
	ND-FILTER: Auto/On (3 steps)/Off				
	FOCAL LENGTH: f = 8.8-25.7 mm				
	ANGLE OF VIEW (35 MM FORMAT EQUIVALENT): 84 deg-34 deg (f = 24-70 mm ²) ³				
	FOCUS RANGE (FROM THE FRONT OF THE LENS): iAuto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity) / Program Auto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity)				
	OPTICAL ZOOM: 2.9x				
	CLEAR IMAGE ZOOM (STILL IMAGE): 20 M Approx. 5.8x/10 M Approx. 8.2x/5.0 M Approx. 11x/VGA Approx. 44x				
	CLEAR IMAGE ZOOM (MOVIE): 4K: 4.35x, HD: Approx. 5.8x				
	DIGITAL ZOOM (STILL IMAGE): 20 M Approx. 11x/10 M Approx. 16x/5.0 M Approx. 23x/VGA Approx. 44x				
	DIGITAL ZOOM (MOVIE): Digital Zoom Approx. 11x				
	SCREEN TYPE: 7.5 cm (3.0 type)(4:3)/1,228,800				

	dots/Xtra Fine/TFT LCD				
	ADJUSTABLE ANGLE: Up by approx. 180 degrees, down by approx. 45 degrees				
	DISPLAY SELECTOR (FINDER/LCD): Auto/EVF (Manual)/Monitor(Manual)				
	MS ASSIST MAGNIFICATION: 5.3x, 10.7x				
	SCREEN TYPE/NUMBER OF DOTS: 0.39-type electronic viewfinder(OLED), 2,359,296 dots				
	FIELD COVERAGE: 100%				
	MAGNIFICATION: Approx. 0.59x with 50 mm lens at infinity, -1m-1(diopter) (35 mm equiv.)				
	EYE POINT: Approx. 20 mm from the eyepiece, 19.2 mm from the eyepiece frame at -1m-1(diopter) (CIPA standard)				
	DIOPTRE ADJUSTMENT: -4.0 to +3.0 m-1				
	BRIGHTNESS CONTROL: Auto, Manual (5 steps)				
	IMAGE PROCESSING ENGINE: Yes (BIONZ X)				
	STEADYSHOT (STILL IMAGE): Optical				
	STEADYSHOT (MOVIE): Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type)				
	FOCUS TYPE: Fast Hybrid AF(phase-detection AF/contrast-detection AF)				
	FOCUS MODE: Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus				
	FOCUS AREA: Wide (315 points (phase-detection AF), 25 points [contrast-detection AF]), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF Wide/Zone/Center/Flexible Spot(S/M/L)/Expanded Flexible Spot				
	LOCK ON AF: Yes				
	LIGHT METERING MODE: Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight				
	EXPOSURE COMPENSATION: +/- 3.0 EV, 1/3 EV step				
	ISO SENSITIVITY (STILL IMAGE)(RECOMMENDED EXPOSURE INDEX)				
	Auto (ISO125-12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100), Multi-Frame NR: Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/25600/56				
	ISO SENSITIVITY (MOVIE)				
	Auto: (ISO125–ISO12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800				

	MINIMUM ILLUMINATION (MOVIE): Auto:1.2 lux(Shutter Speed 1/30")				
	WHITE BALANCE MODES: Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom				
	WB MICRO ADJUSTMENT: Yes				
	SHUTTER SPEED				
	iAuto (4" - 1/2000)/Program Auto (30" - 1/2000)/Manual (Bulb, 30" - 1/2000)/Aperture Priority (30" - 1/2000)/Shutter Priority (30" - 1/2000)				
	ELECTRONIC SHUTTER				
	iAuto (4" - 1/32000)/Program Auto (30" - 1/32000)/Manual (30" - 1/32000)/Aperture Priority (30" - 1/32000)/Shutter Priority (30" - 1/32000)				
	APERTURE				
	iAuto (F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))				
	IMAGE CONTROL				
	Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW/RAW&JPEG (Extra fine, Fine, Standard)/JPEG (Extra fine, Fine, Standard)				
	NOISE REDUCTION				
	Long exposure NR: On/Off, available of shutter speeds longer than 1/3 sec., high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO200-25600				
	DYNAMIC RANGE FUNCTIONS				
	Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0–6.0 EV, 1.0 EV step))				
	SHOOTING MODE				
	AUTO(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) [body 3 sets/memory card 4 sets], Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection				
	SCENE SELECTION				
	Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Motion Blur, Pet Mode, Gourmet, Fireworks, High Sensitivity				
	CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. RECORDING PIXELS)				

	Continuous Shooting Hi: approx. 24fps, Continuous Shooting Mid: approx. 10fps, Continuous Shooting Low: approx. 3.5fps 8910				
	SELF-TIMER				
	10 s / 5 s / 2 s / 3 or 5 consecutive shots with 10 s, 5 s, or 2 s delay selectable / Bracketing shots with 10 s, 5 s, or 2 s delay selectable				
	DRIVE MODES				
	Single, Continuous shooting (Hi/Mid/Lo), Self-timer, Self-timer(cont.), Cont.-bracketing11, Single-bracketing11, White balance bracketing11, DRO bracketing11				
	PANORAMA (SHOOTING): Sweep Panorama				
	PICTURE EFFECT				
	[Still Image]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration; [Movie]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.				
	CREATIVE STYLE				
	Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box				
	PICTURE PROFILE				
	off/PP1-PP7(Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2), Black Gamma, Knee, Color Mode, Saturation, Color Level, Color Phase, Color Depth, Detail, Copy, Reset)				
	NUMBER OF RECOGNISED SCENES				
	Still Image:Superior Auto: 44 / iAuto: 33, Movie:44				
	FLASH MODE: Auto/Flash On/Slow Synchro/Rear Sync/Flash Off				
	FLASH TYPE: Built-in, manual pop-up				
	AF ILLUMINATOR: Auto / Off				
	BRACKETING: Yes				
	FLASH RANGE				
	ISO Auto: Approx.0.4 m to 10.2 m (1.31 ft to 33.46 ft) (W) / Approx. 0.4 m to 6.5 m (1.31 ft to 21.33 ft) (T), ISO12800: up to Approx. 20.4 m (66.93 ft.) (W) / Approx. 13.0 m (42.65 ft.) (T)				
	COMPATIBLE RECORDING MEDIA				
	Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PROHG Duo, Memory Stick Micro1, Memory Stick Micro (Mark2), SD Memory Card, SDHC Memory Card(UHS-I), SDXC Memory Card (UHS-I), microSD Memory Card, microSDHC Memory Card, microSDXC				

	Memory Card				
	RECORDING FORMAT				
	[Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format); [Movie]: XAVC S, AVCHD format Ver.2.0 compatible				
	RECORDING FORMAT (MOVIE AUDIO)				
	XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator)				
	COLOUR SPACE (STILL)				
	sRGB, Adobe® RGB				
	DCF/DPOF				
	DCF/DPOF/EXIF/MPF				
	STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE)				
	3:2 mode: 20M (5,472 x 3,648) / 10M (3,888 x 2,592) / 5M (2,736 x 1,824), 4:3 mode:18M (4,864 x 3,648) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA,16:9 mode:17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528), 1:1 mode: 13M (3,648 x 3,648) / 6.5M (2,544 x 2,544) / 3.7M (1,920 x 1,920), Sweep Panorama: Wide (12,416 x 1,856/5,536 x 2,160), Standard (8,192 x 1,856/3,872 x 2,160)				
	MOVIE RECORDING MODE (NTSC)				
	NTSC/PAL Selector: [NTSC] AVCHD: 24 M FX (1,920x1,080/60i)/17 M FH (1,920x1,080/60i), XAVC S 4K: 30p 100 M (3,840x2,160/30p)/30p 60 M (3,840x2,160/30p)/24p 100 M (3,840x2,160/24p)/24p 60 M (3,840x2,160/24p), XAVC S HD: 60p 50 M (1,920x1,080/60p)/60p 25 M (1,920x1,080/60p)/30p 50 M (1,920x1,080/30p)/30p 16 M (1,920x1,080/30p)/24p 50 M (1,920x1,080/24p)/120p 100 M (1,920x1,080/120p)/120p 60 M (1,920x1,080/120p)				
	MOVIE RECORDING MODE (PAL)				
	NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX (1,920x1,080/50i)/17 M FH (1,920x1,080/50i), XAVC S 4K: 25p 100 M (3,840x2,160/25p)/25p 60 M (3,840x2,160/25p), XAVC S HD:50p 50 M (1,920x1,080/50p)/50p 25 M (1,920x1,080/50p)/25p 50 M (1,920x1,080/25p)/25p 16 M (1,920x1,080/25p)/100p 100 M (1,920x1,080/100p)/100p 60 M (1,920x1,080/100p),				
	HFR				
	(Recording) NTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1920x1080/250fps), 50p 50M(1920x1080/500fps), 50p 50M(1920x1080/1000fps) / 25p 50M(1920x1080/250fps), 25p 50M(1920x1080/500fps), 25p				

50M(1920x1080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50 M (1,920x1,080/240fps), 60p 50 M (1,920x1,080/480fps), 60p 50 M (1,920x1,080/960fps)/30p 50M (1,920x1,080/240fps), 30p 50 M (1,920x1,080/480fps), 30p 50 M (1,920x1,080/960fps)/24p 50 M (1,920x1,080/240fps), 24p 50 M (1,920x1,080/480fps), 24p 50 M (1,920x1,080/960fps) (Sensor Readout Number of effective pixels) Quality Priority: 240fps/250fps (1,824x1,026), 480fps/500fps (1,824x616), 960fps/1000fps (1,244x420)/Shoot Time Priority: 240fps/250fps (1,824x616), 480fps/500fps (1,292x436),960fps/1000fps (912x308)				
STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE) DURING MOVIE				
16:9 mode: 17M(5472×3080)/7.5M(3648×2056)/4.2M(2720×1528)				
PROXY RECORDING				
Yes(1280 x 720 [approx. 9 Mbps])				
INPUT AND OUTPUT TERMINALS: Multi/Micro USB Terminal14, High-Speed USB (USB 2.0), Micro HDMI				
NFC: NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing				
WI-FI: Yes (IEEE802.11b/g/n(2.4 GHz band))				
POWER SOURCE				
DC 3.6 V(supplied battery) / DC 5.0 V(supplied AC Adapter)				
BATTERY SYSTEM				
Rechargeable Battery Pack NP-BX1				
POWER CONSUMPTION (CAMERA MODE)				
Approx. 2.6 W with LCD monitor and approx. 3.0 W with viewfinder (CIPA standard)				
USB CHARGE/USB POWER SUPPLY				
Yes (Shooting, Playback)				
BATTERY LIFE(STILL IMAGES)(CIPA)				
Monitor:Approx. 220 / Approx. 110 min., ViewFinder:Approx. 210/Approx. 105 min.				
BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA)				
Monitor:Approx. 35 min., ViewFinder:Approx. 35 min.				
BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)				
Monitor:Approx. 65 min., ViewFinder:Approx. 65 min.				
DIMENSIONS (W X H X D) (APPROX.)				
101.6x58.1x41.0 mm (4 in x 2 3/8 in x 1 5/8 in)				
WEIGHT (CIPA COMPLIANT)				
Approx. 299 g (10.5 oz)(Battery and Memory Stick Duo are included) / Approx. 272 g (9.6 oz)(Body Only)				

94	Digital Multimeter	pc	1	7,000.00	7,000.00
	DCV: 400m/4/40/400/1000V				
	ACV: 4/40/400/1000V $\pm(1.2\%+7)$				
	DCA: 400 μ /4000 μ /40m/400m/4/10A				
	ACA: 400 μ /4000 μ /40m/400m/4/10A				
	Resistance: 400/4k/40k/400k/4M/40M Ω				
	Capacitance: 50n/500n/5 μ /50 μ /100 μ F				
	Frequency: 5/50/500/5k/50k/100kHz				
	Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V				
	Diode test: Open voltage:approx.1.5V				
	Battery Check: Approximate value (30 Ω load) 1.5V battery only				
	Display numeral display: 4000				
	Sampling rate: 3 times/sec.				
	Bandwidth: 40~400Hz (Sine wave)				
	Fuse: 0.5A/1000V 30kA $\Phi 6.35 \times 32$ mm 10A/1000V 30kA $\Phi 10 \times 38$ mm				
	Battery: R6Px2				
	Battery life: Approx.400h (manganese battery) at DCV range Safety: IEC61010CAT. III 600V/CAT. II 1000V DCV: 400m/4/40/400/1000V				
	ACV: 4/40/400/1000V $\pm(1.2\%+7)$				
	DCA: 400 μ /4000 μ /40m/400m/4/10A				
	ACA: 400 μ /4000 μ /40m/400m/4/10A				
	Resistance: 400/4k/40k/400k/4M/40M Ω				
	Capacitance: 50n/500n/5 μ /50 μ /100 μ F				
	Frequency: 5/50/500/5k/50k/100kHz				
	Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V				
	Diode test: Open voltage:approx.1.5V				
	Battery Check: Approximate value (30 Ω load) 1.5V battery only				
	Display numeral display: 4000				
	Sampling rate: 3 times/sec.				
	Bandwidth: 40~400Hz (Sine wave)				
	Fuse: 0.5A/1000V 30kA $\Phi 6.35 \times 32$ mm 10A/1000V 30kA $\Phi 10 \times 38$ mm				
	Battery: R6Px2				
	Battery life: Approx.400h (manganese battery) at DCV range				
	Safety: IEC61010CAT. III 600V/CAT. II 1000V				
95	Electronics Tools and Instruments	lot	1	138,000.00	138,000.00
	Digital Multimeter -> 10 units				
	For measuring AC & DC current, resistance, capacitance, continuity, frequency, duty cycle and				

	diode				
	Toolbox -> 2 units				
	Dimensions: 494 x 263 x 250 mm				
	With removable tote tray				
	Lineman Pliers Set -> 1 unit				
	3-pc Set of Insulated Chrome Vanadium Steel of:				
	Regular pliers, Long Nose pliers, and Diagonal Cutting pliers				
	Extra Long Nose Pliers Set -> 1 unit				
	1 pc. 0° Plier Length: 285mm/ 11.22inch.				
	1 pc. 45° Plier Length: 280mm/ 11..02inch.				
	1 pc. 90° Plier Length:265mm/ 10.43inch.				
	1 pc. O Shape Plier Length: 275mm/ 10.83inch.				
	Multi-functional automatic wire stripping pliers - > 1 unit				
	Self-adjusting Automatic Wire Stripper/Cutting Pliers for wire stripping, cutting, crimping, and installing TAB Terminal				
96	HAIER HSU-18NSV13(DC) Board	pc	1	4,000.00	4,000.00
	PCB NO.A 500201 - 100Q;				
97	Hard Drive (2 TB)	pc	1	3,000.00	3,000.00
98	Tablet 10.9", 64GB, Wifi + Cellular	unit	1	42,000.00	42,000.00
	▣64GB Storage Capacity				
	▣A14 Bionic chip with 64-bit architecture, Neural Engine				
	▣10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology				
	▣2360-by-1640-pixel resolution at 264 pixels per inch (ppi)				
	▣Wide color display (P3)				
	▣True Tone display				
	▣Fingerprint-resistant oleophobic coating				
	▣Fully laminated display				
	▣Antireflective coating				
	▣12MP Wide camera				
	▣f/1.8 aperture				
	▣Five-element lens				
	▣Hybrid IR filter				
	▣4K video recording at 24 fps, 30 fps, or 60 fps				
	▣1080p HD video recording at 30 fps or 60 fps				
	▣Slo-mo video support for 1080p at 120 fps or 240 fps				
	▣7MP photos				
	▣f/2.2 aperture				
	▣1080p HD video recording at 60 fps				
	▣Wide color capture for photos and Live Photos				
	▣Smart HDR				

	<ul style="list-style-type: none"> ☐Stereo speakers 				
	<ul style="list-style-type: none"> ☐Dual microphones for calls, video recording, and audio recording 				
	<ul style="list-style-type: none"> ☐802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO 				
	<ul style="list-style-type: none"> ☐UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz) 				
	<ul style="list-style-type: none"> ☐Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4 				
	<ul style="list-style-type: none"> ☐Bluetooth 5.0 technology 				
99	Temperature-Humidity Data Logger	pc	5	2,000.00	10,000.00
	<ul style="list-style-type: none"> ☐Portable and hand-held 				
	<ul style="list-style-type: none"> ☐16000 data recording capacity. 				
	<ul style="list-style-type: none"> ☐Adjustable record interval: 10s~24hour 				
	<ul style="list-style-type: none"> ☐Multi-function LCD 				
	<ul style="list-style-type: none"> ☐Internal NTC temperature thermal sensor with optional external sensor 				
	<ul style="list-style-type: none"> ☐Data export in PDF/EXCEL via data management software 				
	<ul style="list-style-type: none"> ☐Selectable °F/°C temperature unit 				
	<ul style="list-style-type: none"> ☐Size: approx. 84 (L) x 44(W) x 20 (H) mm 				
	<ul style="list-style-type: none"> ☐Good quality 				
	<ul style="list-style-type: none"> ☐Durable 				
100	UPS, Smart UPS, 2000VA	pc	1	35,000.00	35,000.00
	<ul style="list-style-type: none"> ☐Max Configurable Power (Watts): 1.6kWatts / 2.0kVA 				
	<ul style="list-style-type: none"> ☐Output Voltage Note: Configurable for 220 : 230 or 240 nominal output voltage 				
	<ul style="list-style-type: none"> ☐Efficiency at Full Load: 88.0 % 				
	<ul style="list-style-type: none"> ☐Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Sync to mains 				
	<ul style="list-style-type: none"> ☐Other Output Voltages: 220 V, 240 V\ 				
	<ul style="list-style-type: none"> ☐Load Crest Factor: 3 : 1 				
	<ul style="list-style-type: none"> ☐Topology: Double conversion online 				
	<ul style="list-style-type: none"> ☐Input frequency: 40 - 70 Hz 				
	<ul style="list-style-type: none"> ☐Input voltage range for main operations: 110 - 285 Adjustable (half load), 160 - 280V 				
	<ul style="list-style-type: none"> ☐Number of Power Cords: 1 				
	<ul style="list-style-type: none"> ☐Efficiency at Full Load: 88.0 % 				
	<ul style="list-style-type: none"> ☐Other Input Voltages: 220 V, 240 V 				
	<ul style="list-style-type: none"> ☐Waveform type: Sine wave 				
	<ul style="list-style-type: none"> ☐Bypass: Internal bypass (automatic and manual) 				
	<ul style="list-style-type: none"> ☐Battery type: Lead-acid battery 				
	<ul style="list-style-type: none"> ☐Typical recharge time: 4hour(s) 				
	<ul style="list-style-type: none"> ☐Battery Charge Power (Watts): 76 Watts 				
	<ul style="list-style-type: none"> ☐Interface Port(s): DB-9 RS-232, USB 				

	☑Control panel: Multifunction LCD status and control console				
	☑Audible Alarm: Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm				
	☑Surge energy rating: 600Joules				
101	Various Electronic Components and Supplies	lot	1	59,500.00	59,500.00
	HDMI Cable -> 10 units				
	10 meters				
	830 breadboard set electronic component basic starter kit with breadboard cable resistor capacitor led potentiometer -> 20 units				
	1 power supply				
	1 830-point breadboard				
	65 pcs jumper wires				
	140 pcs solderless jumper wires				
	20 pcs female-to-male dupont wire				
	2 pcs pin header (40 pin)				
	1 precision potentiometer				
	2 photoresistors				
	1 thermistor				
	5 pcs rectifier diode (1N4007)				
	5 pcs NPN transistor (PN2222)				
	1 IC 4N35				
	1 IC 74HC595				
	1 active buzzer				
	1 passive buzzer				
	10 pcs button (small)				
	10 pcs 22pF ceramic capacitor				
	10 pcs 104 ceramic capacitor				
	5 pcs electrolytic capacitor (10uF, 50V)				
	5 pcs electrolytic capacitor (100uF, 50V)				
	10 pcs white LED				
	10 pcs yellow LED				
	10 pcs blue LED				
	10 pcs green LED				
	10 pcs red LED				
	10 pcs RGB LED				
	10 pcs 10R resistor				
	10 pcs 100R resistor				
	10 pcs 220R resistor				
	10 pcs 330R resistor				
	10 pcs 1K resistor				
	10 pcs 2K resistor				
	10 pcs 5K1 resistor				
	10 pcs 10K resistor				
	10 pcs 10K resistor				
	10 pcs 1M resistor				-

	Single-Sided Copper Clad Board FR4 With 35µm Copper Thick, 200 x 300 x 1.6mm -> 2 units				
	PCB Developing Kit with Transfer Film -> 1 unit				
	Non-Corrosive Soldering Paste (used for welding and desoldering) -> 1 unit				
	Soldering Iron -> 6 units				
	Mini Soldering Iron with Adjustable Temperature, 60W				
	Soldering Iron Stand -> 6 units				
	Stainless Steel spiral, 90mm long				
	Desoldering Pump -> 2 units				
	Replaceable and Self Cleaning tip				
	Sealed vacuum chamber				
	Microcontroller -> 10 units				
	microcontroller board (ATmega328P based)				
	14 digital inputs/outputs (six of which can be used as PWM outputs)				
	six analog inputs				
	has a 16MHz ceramic resonator				
	has a USB-C connector				
	has a reset button				
	CIRCUIT OPERATING VOLTAGE: 5V				
	INPUT VOLTAGE (LIMIT): 6-12V				
	BATTERY CONNECTOR: None.				
	DC CURRENT PER: I/O PIN 20 mA				
	DC CURRENT FOR: 3.3V PIN 50 mA				
	MAIN PROCESSOR: ATmega328P 16 MHz				
	USB-SERIAL PROCESSOR: ATmega16U2 16 MHz				
	MEMORY: ATMEGA328P 2KB SRAM, 32KB FLASH, 1KB EEPROM				
102	Wifi Access Point (Existing fleet of VSU Access Points)	unit	1	12,000.00	12,000.00
	UAP-nanoHD				
	Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")				
	Weight: 300 g (10.6 oz)				
	With Mounting Kits: 315 g (11.1 oz)				
	Networking Interface: (1) 10/100/1000 Ethernet Port				
	Buttons: Reset				
	Power Method: 802.3af PoE				
	Power Supply: UniFi Switch (PoE)				
	Power Save: Supported				
	Beamforming: Supported				
	Maximum Power Consumption: 10.5W				
	Supported Voltage Range: 44 to 57VDC				
	TX Power				
	2.4 GHz: 23 dBm				
	5 GHz: 26 dBm				
	MIMO				
	2.4 GHz: 2x2				

	5 GHz: 4x4				
	Radio Rates				
	2.4 GHz: 300 Mbps				
	5 GHz: 1733 Mbps				
	Antennas				
	2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each				
	5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each				
	Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2				
	Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF				
	BSSID: 8 per Radio				
	Mounting: Wall/Ceiling (Kits Included)				
	Operating Temperature: -10 to 70 C (14 to 158 F)				
	Operating Humidity: 5 to 95% Noncondensing				
	Certifications: CE, FCC, IC				
	Advanced Traffic Management				
	VLAN: 802.1Q				
	Advanced QoS: Per-User Rate Limiting				
	Guest Traffic Isolation: Supported				
	WMM: Voice, Video, Best Effort, and Background				
	Concurrent Clients: 200+				
	Supported Data Rates (Mbps)				
	Standard Data Rates				
	802.11a 6,9,12,18,24,36,48,54 Mbps				
	802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)				
	802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)				
	58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)				
	802.11b 1, 2, 5.5, 11 Mbps				
	802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps				
103	Large-Diaphragm Cardioid Condenser Microphone	unit	2	17,500.00	35,000.00
	For Voice, Instruments, Drums, and Cabs				
	<i>Cardioid Pattern Lessens Room Noise</i>				
	<i>Switchable -10 dB Pad Hinders Distortion</i>				
	<i>Low-Cut Filter Limits Bass Buildup</i>				
	<i>Shockmount Inhibits Vibration Noise</i>				
	<i>Large-Diaphragm True Condenser Capsule</i>				
	<i>Handles Immense Sound Pressure Levels</i>				
	<i>Includes Protective Case and Dust Cover</i>				
	<i>XLR Output for Hookup to Mic Preamp</i>				
	<i>Operates on 48V Phantom Power</i>				
	Microphone				
	<i>Form Factor: Large Diaphragm Mic / Stand/Boom Mount</i>				
	<i>Intended Sound Sources: Vocals, Speech/Voice Over, Instrument</i>				

	Sound Field: Mono				
	Operating Principle: Pressure Gradient				
	Capsule: Condenser				
	Polar Pattern: Cardioid				
	Performance				
	Frequency Range: 20 Hz to 20 kHz				
	Maximum SPL: 145 dB SPL (1 kHz, 1% THD)				
	155 dB SPL (1 kHz, 1% THD, with Pad)				
	Impedance: 100 Ohms				
	Sensitivity: -32 dBV/Pa				
	Dynamic Range: 133 dB (1 kHz, at Max SPL)				
	Signal-to-Noise Ratio: 82 dB (1 kHz)				
	Equivalent Noise Level: 12 dB SPL A-Weighted				
	Power				
	Operating Voltage: 48 V (Phantom Power)				
	Operating Current Consumption: 4.2 mA				
	Physical				
	Color: Black				
	Mounting: Shockmount (Included)				
	Included Case: Hard Case, Mic Sock				
	Included Filters: None				
	Dimensions: \varnothing : 2.1 x L: 6.69" / \varnothing : 5.3 x L: 16.99 cm				
	Weight: 12.7 oz / 360 g				
104	SDI to HDMI Converter Bidirectional	units	4	5,750.00	23,000.00
	"Video Inputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)				
	Audio Inputs: None				
	Video Outputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)				
	Audio Outputs: None				
	Other I/O: 1 x USB-C Input				
	Expansion Slots: None				
	Embedded Audio: HDMI/SDI				
	Power I/O: 1 x USB-C (4.4 to 5.2 VDC) Input				
	Power Consumption: 2.5 W"				
105	Headset, Over Ear, wired	sets	2	750.00	1,500.00
	☑Wearing Type: Over-ear				
	☑Microphone: Yes				
	☑Volume Control: Yes				
	☑One Key Mute Button: Yes				
	☑Microphone: Omnidirectional				
	☑Plug Type: 3.5mm				
	☑Speaker Diameter: 50mm				
	☑Receive Sensitivity: 101dB				
	☑Impedance: 32 Ω				
	☑Frequency Response: 20-20kHz				
106	Speaker, for PC, 2.1 (Speaker with Subwoofer)	pc	1	1,500.00	1,500.00
	☑Power Output : rms 4.5w×2 sw: 12w				

	☐Signal to noise ratio : 80dba				
	☐Frequency Response : 80hz~20khz (±6db)				
	☐R/I: 300±50mv sw: 100 ± 20mv				
	☐Aux/USB/SD card				
	☐Bass driver :4 inch				
	☐Treble driver :2 3/4 inch				
107	Web Camera for Laptop and Desktop	pcs	1	720.00	720.00
	☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.				
	☐With clips for laptops and desktops.				
	☐Sensor pixels: 2 million				
	☐Interface: USB 2.0				
	☐Frame rate: 30 FPS				
	☐Image sensor: CMOS				
	☐Brightness/color: automatically adjusts				
	☐Additional features: built-in microphone				
108	System Unit (CPU), Core i7 8GB RAM	units	2	40,000.00	80,000.00
	CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher				
	SDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher				
	RAM: at least 8GB (8GBx1) DDR4 2666MHz or higher				
	Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher				
	ATX casing with 700W PSU				
	With genuine Microsoft Office license.				
	OS: at least Windows 10				
109	VOIP Phone	units	2	10,000.00	20,000.00
	☐1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty				
	☐IPv4 (RFC 791)Integrated web server provides web-based administration and configuration				
	☐Telephone keypad configuration via display menu/navigation				
	☐Automated provisioning and upgrade via HTTPS, HTTP, TFTP				
	☐Asynchronous notification of upgrade availability via NOTIFY				
	☐Nonintrusive in-service upgrades				
	☐Report generation and event logging				
	☐Statistics transmitted in BYE message				
	☐Syslog and debug server records: configurable per line				
	☐Address Resolution Protocol (ARP)				
	☐DNS: A record (RFC 1706), SRV record (RFC 2782)				
	☐Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)				
	☐Internet Control Message Protocol (ICMP) (RFC 792)				

	☐TCP (RFC 793)				
	☐User Datagram Protocol (UDP) (RFC 768)				
	☐Real-Time Transport Protocol (RTP) (RFC 1889, 1890)				
	☐Real-Time Control Protocol (RTCP) (RFC 1889)				
	☐Differentiated Services (DiffServ) (RFC 2475)				
	☐Type of service (ToS) (RFC 791, 1349)				
	☐VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)				
	☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)				
	☐SPCP with the Cisco Unified Communications 500 Series				
	☐SIP proxy redundancy: dynamic via DNS SRV, A records				
	☐Reregistration with primary SIP proxy server				
	☐SIP support in NAT networks (including STUN)				
	☐SIPFrag (RFC 3420)				
	☐Secure (encrypted) calling via SRTP				
	☐Codec name assignment				
	☐Voice algorithms:				
	☐G.711 (A-law and μ -law)				
	☐G.726 (16/24/32/40 kbps)				
	☐G.729 A				
	☐G.722				
	☐Dynamic payload support				
	☐Adjustable audio frames per packet				
	☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)				
	☐Flexible dial plan support with interdigit timers				
	☐IP address/URI dialing support				
	☐Call progress tone generation				
	☐Jitter buffer: adaptive				
	☐Frame loss concealment				
	☐Comfort Noise Generation (CNG)				
	☐Voice activity detection (VAD) with silence suppression				
	☐Attenuation/gain adjustments				
	☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE				
	☐Caller ID support (name and number)				
	☐Third-party call control (RFC 3725)				
	☐Should be compatible with existing fleet of VSU IP Phones				
110	Laptop Cooling Pad 14"	pcs	3	500.00	1,500.00
	1.one 14cm big LED light fan				
	2.metal mesh material				
	3. Powered by USB cable from laptop				
	4.Support size:12"-14"laptop				

	5. Color: black,				
111	Rechargeable Wireless Keyboard and Mouse Set	unit	3	950.00	2,850.00
	☐ Rechargeable Office Wireless Keyboard and Mouse Set				
	☐ Size: 284*121*16.mm				
	☐ Weight: 280g				
	☐ Connection method: USB receiver/Bluetooth				
	Rebidding - VSU-GOODS-23-35				
112	Coffee Maker Machine, Touch-Screen 10-cups Programmable with Glass Carafe, Stainless Steel	pc	1	2,300.00	2,300.00
113	Colored Digital Photocopier	unit	1	150,000.00	150,000.00
	Full color digital copier with network printing, color scanning and network fax				
	Copy and print speed of 30 copies per minute, A4				
	7-inch color touch screen panel				
	CPU: dual core 1.2 GHz				
	Paper size from A6R to Legal Size				
	Standard memory capacity is 1GB, max 3GB Plus 128GB SSD option				
	Paper capacity of 250 sheets cassette and 100 sheets multipurpose tray				
	Built-in 75-sheets reversing document processor and stackless duplex unit				
	Compatible with windows, makintosh and linux				
	Scan to SMB/E-mail/FTP/USB host/Box, Network Twain scan and WSDScan				
	Low power consumption Copying: 512w or less, Sleep mode: 0.6W				
	Super G3Fax, Stand-alone network connection				
	Maintenance Kit of 200,000 copies				
	With lifetime service				
114	Cordless Kettle	unit	30	1,200.00	36,000.00
	Electric Glass Kettle, Cordless				
	HWK-118GI				
	Power: 230V - 60Hz, 2000W				
	Capacity: 1.8L				
	360 degree rotary base, easy to use with high borosilicate glass body,				
	Durable and stain resistant blue LED light indication when boiling Concealed stainless steel				
	heating element Automatic one button cover starter boiling dry protection Automatically turns off when water boiled.				
115	Stencil Digital Duplicator Machine	unit	1	100,000.00	100,000.00
	Print Speed: 60 - 90 Sheets Per Minute (2 Steps)				
	Resolution: 300 x 300 dpi				
	Printing Process: Fully Automatic One Drum Stencil System				
	Minimum Print Paper Size: 90 x 140 mm				

	Maximum Print Paper Size: 275 x 395 mm				
	Print Paper Weight: 35.0-127.9 g/m ²				
	Print Area: Maximum 250 x 355 mm				
	First Print Speed: Less Than 40 Seconds				
	Features:				
	Auto background correction, auto cycle, photo/letter mode, tint mode, SP mode (for technical service use only), combine two originals, spot colour printing with optional colour drum units.				
	Options				
	USB controller printer unit type VC-20				
	Interface board type 20				
	Colour drum type 20 (B4)				
	Cabinet				
	Consumables				
	Priport™ master type (100 masters per roll, B4)				
	Priport™ black ink type (500 ml)				
	Digital Duplicator colour ink type II (600 ml): red, blue, yellow, green, purple,				
	navy, brown, maroon, orange, teal				
	CM ink (custom-made colours, 500 ml)				
	Specifications:				
	Image modes: Letter mode, Photo mode, Photo/Letter mode				
	Image position: Vertical: ± 10 mm , Horizontal: ± 10 mm				
	Reproduction ratios: Pre-set enlargement: 115, 122, Pre-set reduction: 71, 82, 87, 93%				
	Zoom: No				
	Colour printing: By replacing colour, drum				
	Paper feed/delivery table: 500 sheets (80 g/m ²)				
	Power source: 220-240 V, 50 – 60 Hz				
	Power consumption				
	Maximum: Master making: less than				
	175 W				
	Printing: Less than 175 W (at 90 sheets per minute)				
	Standby: 35 W				
	Dimensions (W x D x H): 1,232 x 672 x 519 mm				
	Weight: 55kg				
116	Microwave Oven, 20L	unit	4	5,000.00	20,000.00
	20-Liter				
	220V				
	Electronic Control				
	LCD Display				
	700w microwave power				
	6 autocook functions				
	Reheat and defrost capacity				
	Dimension: (h:w:d) 10.35 x 18 x 14 in				
	Warranty: One year on service, 2 years on parts				
117	Paper shredder machine, heavy duty	unit	1	12,000.00	12,000.00

	☐Shred Type: Cross Cut				
	☐Maximum Sheet capacity(70gsm) : 10 Sheets				
	☐Waste Container capacity: 21 Liters				
	☐Power Source: 220 - 240 VAC				
118	Washing Machine Heavy DutyWasher	unit	2	60,000.00	120,000.00
	15 kg. IEC Rated Capacity U.S Heavy Duty Washer				
	11 Wash Cycles				
	Quick Wash Cycle				
	Whites Cycle				
	Delicate Cycle				
	6th Sense Technology				
	Dual Action Agitator				
	Fabcon Dispenser				
	Liquid Bleach Dispenser				
	Mechanical Control panel				
	Deep Water Wash System				
	Soil Level Selection				
	Wash Temperature Selection				
	Load Size Selection				
	Extra Rinse Selection				
	Galvanized Heavy Duty Body				
	White Porcelain Tub				
	Child Lid Lock				
	Color: White				
	Dimension (h:w:d) 109.22 : 69.85 : 68.58 cm				
				TOTAL:	6,862,354.00

Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *thirty (30) calendar days upon receipt of Notice to Proceed (NTP)*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *19 October – 09 November 2023 until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on *October 27, 2023; 9:00 AM* at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and *via Zoom*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom Meeting ID and Passcode.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before *November 09, 2023 until 8:30 AM*. Late bids shall not be accepted.
8. For bidders who opt to submit their bids electronically, a hardcopy (original) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on *November 09 2023; 9:00 AM* at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and *via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Zoom Meeting ID and Passcode.

11. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

Mr. Leopoldo S. Escala Jr. (BAC Secretariat)
Office of the Head for Procurement,
VSU-Main, Visca, Baybay City, Leyte
Mobile: 053 565 0600 local 1093 or 09639629709
Email: leopoldo.escala@vsu.edu.ph

or

Mr. Toni Marc L. Dargantes (BAC Secretariat)

Office of the VP for Planning, Resource Generation & Auxiliary Services

VSU-Main, Visca, Baybay City, Leyte

Mobile: 0977 7186594

Email: tmdargantes@vsu.edu.ph

13. You may visit the following websites:

For downloading of Bidding Documents: <https://www.vsu.edu.ph/philgeps-opportunities>

October 18, 2023



DILBERTO O. FERRAREN

Chairperson, VSU BAC

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the *Supply and Delivery of I.T Equipment and Supplies*, with identification number *VSU-GOODS-23-46*.

The Procurement Project (referred to herein as “Project”) is composed of *123 items*, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2023 in the amount of *Six Million Eight Hundred Sixty Two Thousand Three Hundred Fifty Four Pesos (PhP 6,862,354.00)*.

2.2. The source of funding is: NGA, the General Appropriations Act, Special Trust Fund, and Trust Fund.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

- 5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;

- iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in: Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid until *March 9, 2023*. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.

- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> a. <i>I.T. Equipment, I.T. Supplies, or a combination of the foregoing</i> b. completed within two (2) years prior to the deadline for the submission and receipt of bids.
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted <i>DDP VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <i>One Hundred Thirty Seven Thousand Two Hundred Forty Seven and 08/100 Pesos (PhP 137,247.08) or two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than <i>Three Hundred Forty Three Thousand One Hundred Seventeen and 70/100 Pesos (PhP 343,117.70) or five percent (5%) of ABC</i> if bid security is in Surety Bond.
15	Bidders are requested to submit two (2) more copies of its bid (Copy 1 and Copy 2) in addition to the required original hardcopy. For filing purposes, the bidders are urged to use Orange envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC) per item.</i>
20.2	Bidders are required to submit its updated Mayor's/Business Permit during post-qualification.
21.2	<i>Not Applicable.</i>

Section IV. General Conditions of Contract

1. **Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. **Advance Payment and Terms of Payment**

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. **Performance Security**

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. **Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	Delivery and Documents –
	For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:
	The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte</i> . Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause the Procuring Entity’s Representative at the Project Site is: <p style="text-align: center;"><i>Vivian V. Balbarino</i> <i>Head, Supply and Property Management Office</i> <i>VSU-Main, Visca, Baybay City, Leyte</i> <i>Contact #: 053 565 0600 local 1082/ 09175518871</i> <i>Email: sppmo@vsu.edu.ph</i></p> <p style="text-align: center;"><i>Additional Instruction: The Supplier should notify the Head of Supply and Property Management Office atleast 1 week before the scheduled delivery.</i></p>
	Incidental Services –
	The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:
	a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;
	b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;
	c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
	d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

	The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
	Spare Parts –
	The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:
	a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
	b. in the event of termination of production of the spare parts:
	i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
	ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.
	The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the cost thereof are included in the contract price.
	The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.
	Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.
	Packaging – The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

	The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.
	The outer packaging must be clearly marked on at least four (4) sides as follows:
	Name of the Procuring Entity
	Name of the Supplier
	Contract Description
	Final Destination
	Gross weight
	Any special lifting instructions
	Any special handling instructions
	Any relevant HAZCHEM classifications
	A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.
	Transportation –
	Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
	Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.
	Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.

	<p>Intellectual Property Rights – The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU Main to confirm conformity to the contract specifications at no extra cost to VSU.

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item #	Qty	Unit	Description	Delivered, Weeks/Months
1	2	pc	1TB, Hard disk Drive, 7200rpm, for desktop	All Items Should Be Delivered Within 30 Calendar days to VSU Main, Visca, Baybay City, Leyte from Receipt of Notice to Proceed And Purchase Order
			☐11TB	
			☐SATA 6Gb/s interface optimizes burst performance;	
			☐64MB Cache	
			☐Average Data Rate, Read/Write : 156	
			☐Max Sustained Data Rate, OD Read (MB/s) : 210	
			☐Cache, Multisegmented (MB) : 64	
2	1	pc	3D Printer Filament (ABS)	
			☐Mass: 1 KG (approximately 2.20 lbs) Spool	
			☐Filament Diameter: 1.75mm (Dimensional Accuracy +/- 0.03m	
			☐Extrusion/Nozzle Temperature: 210°C - 240°C (410°F - 464°F)	
			☐Spool Diameter: 7.88"	
			☐Spool Width: 2.69"	
			☐Spool Hub Hole Diameter: 2.20"	
			☐Color: Black	
			☐Material Type: ABS	
3	1	set	3D Printer Filament (TPU)	
			☐Color: black	
			☐Item Diameter: 1.75 millimeters	
			☐Item weight: not less than 15.7 ounces	
			☐Material: Rep-Flex-Tpu- Vacuumed Sealed With Desiccant	
			☐Outside Diameter: 1.75 millimeters (+/- 0.05mm)	
			☐Recommended Extrusion/Nozzle Temp: 195 - 230 degree celsius	
			☐Recommended Platform Temperature: 40 - 60 degree celsius	
			☐Packing List:TPU Flexible Filament 1.75mm 250g(vacuum sealed)	
4	1	pc	3D Printer PLA filament	
			☐Recommended Extrusion/Nozzle Temp: 90°C - 220°C (374 °F~ 428 °F)	
			☐Heated Bed Temp: 25°C - 60°C (77 °F~ 140 °F)	
			☐Filaments Diameter and Accuracy: 1.75 mm +/- 0.05	
			☐Filaments Net Weight: 1 kg (2.2 lbs) / Spool	
			☐Build Surface: 200 mm x 200 mm (7.88" x 7.88")	
			☐Type of filament: PLA	
5	1	unit	Android Smartphone	
			☐Specification:	

			—Chipset: Mediatek Helio G80 (12 nm)
			—Operating system: Android 10
			—ROM: at least 32 GB
			—RAM: at least 3GB
			—Screen Type: IPS LCD, at least 400 nits
			—Camera Front : at least 8 MP
			—Primary(Back) Camera Resolution at least 13MP
			—Resolution: at least 1080 x 2340 pixels
			—SIM: Dual SIM (Nano-SIM, dual stand-by)
6	1	unit	Apple USB-C Digital AV Multiport Adapter Compatible with Mac and iPad
			Connections: HDMI, USB, USB-C
			Compatible iPad Models: iPad Pro 12.9-inch (5th generation), iPad Pro 12.9-inch (4th generation), iPad Pro 12.9-inch
			Compatible Mac Models: MacBook Air (M2, 2022), MacBook Air (M1, 2020), MacBook Air (Retina, 13-inch, 2020), MacBook Air (Retina, 13-inch, 2018 - 2019), MacBook Pro (13-inch, M2, 2022), MacBook Pro (13-inch, M1, 2020)
			Genuine Apple Accessory
7	1	pc	Camera with 28-70 mm Zoom Lens
			Product Specification:
			Lens
			Lens Mount: E-mount
			Image Sensor
			Aspect Ratio: 3:2
			Number Of Pixels (Effective): Approx. 24.2 megapixels
			Number of Pixels (total): Approx. 25.3 megapixels
			Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor
			Anti-Dust System: Charge protection coating on optical filter and image sensor shift mechanism
			Recording (still images)
			Image Size (pixels) [16:9]: 35 mm full frame L: 6000 x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 (5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)
			Image Size (pixels) [Sweep Panorama]
			Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome
			Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])

			<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>
			<i>Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))</i>
			<i>Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color</i>
			<i>14bit RAW: Yes</i>
			<i>Uncompressed RAW: Yes</i>
			<i>Recording (movie)</i>
			<i>Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant</i>
			<i>Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color</i>
			<i>Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key</i>
			<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1-6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>
			<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>
			<i>Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)</i>
			<i>Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)</i>
			<i>Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</i>

			Slow and quick motion (recording frame rate and image size): NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)
			Movie Functions: Audio Level Display, Audio Rec Level, PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist
			Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit
			Recording System
			Location information Link from smartphone: Yes
			Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card
			Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card
			Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy
			Noise Reduction
			Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off
			Multi Frame NR
			White balance
			White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom
			AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step
			Priority Set in AWB: Yes
			Bracketing: 3 frames, H/L selectable
			Focus
			Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF) ²
			Focus Sensor: Exmor R [®] CMOS sensor
			Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points

			(phase-detection AF) / 425 points (contrast-detection AF)
			Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)
			Focus Mode: AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
			Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot / Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot)
			Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.
			AF Illuminator: Yes (with built-in LED type)
			AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)
			Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)
			Exposure
			Metering Type: 1200-zone evaluative metering
			Viewfinder
			Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED
			Number of Dots: 2,359,296 dots
			Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)
			Color Temperature Control: Manual (5 steps)
			Field Coverage: 100%
			Magnification: approx. 0.78 x (with 50mm lens at infinity, -1m-1)
			Diopter Adjustment: -4.0 to +3.0 m-1
			Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)
			Finder Frame Rate Selection
			Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram
			LCD Screen
			Monitor Type: 7.5 cm (3.0-type) type TFT
			Number of Dots: 921,600 dots
			Touch Panel: Yes
			Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode
			Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees
			Display Selector (Finder/LCD): Yes (Auto/Manual)
			Real-time Image Adjustment Display (LCD): On/Off

			Quick Navi: Yes
			Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)
			Zebra: Yes (selectable level + range or lower limit as custom setting)
			Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
			Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)
			Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off
			Other Features
			PlayMemories Camera Apps™
			Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)
			Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x
			Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8
			Self-Portrait Self-Timer
			Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate
			Eye-Fi ready
			Shutter
			Type: Electronically-controlled, vertical-traverse, focal-plane type
			Shutter Type
			Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)
			Flash Sync. Speed: 1/250 sec.3
			Electronic Front Curtain Shutter: Yes (ON/OFF)
			Silent Shooting: Yes (ON/OFF)
			Image Stabilization
			Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)

			Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)
			Flash Control
			Control: Pre-flash TTL
			Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\
			Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.
			Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4
			External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe
			FE Level Lock: Yes
			Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)
			Drive
			Drive Modes: Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
			Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5
			No. of recordable frames (approx.): JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5
			Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer
			Playback
			Photo Capture: Yes
			Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp

			<i>Interface</i>
			<i>PC Interface: Mass-storage, MTP, PC remote</i>
			<i>Multi/micro USB terminal: Yes</i>
			<i>USB Type-C® Terminal: Yes (SuperSpeed USB (USB 3.1 Gen 1) compatible)</i>
			<i>NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing</i>
			<i>Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV</i>
			<i>HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB</i>
			<i>Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))</i>
			<i>Auto-lock Accessory Shoe</i>
			<i>Multi Interface Shoe: Yes</i>
			<i>Smart Accessory Terminal 2</i>
			<i>Mic Terminal: Yes (3.5 mm Stereo minijack)</i>
			<i>DC IN Terminal</i>
			<i>Sync Terminal</i>
			<i>Headphone Terminal: Yes (3.5 mm Stereo minijack)</i>
			<i>Vertical Grip Connector: Yes</i>
			<i>PC Remote: Yes</i>
			<i>LAN Terminal</i>
			<i>Print</i>
			<i>Compatible Standards: Exif Print, Print Image Matching III, DPOF setting</i>
			<i>Custom function</i>
			<i>Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set</i>
			<i>Lens Compensation</i>
			<i>Setting: Peripheral Shading, Chromatic Aberration, Distortion</i>
			<i>Power</i>
			<i>Supplied Battery: One rechargeable battery pack NP-FZ100</i>
			<i>Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard)8</i>
			<i>Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard)910</i>
			<i>Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)911</i>
			<i>Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>

			<i>Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>
			<i>Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>
			<i>USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>
			<i>Size & Weight</i>
			<i>Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)</i>
			<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>
			<i>Audio</i>
			<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>
			<i>Speaker: Built-in, monaural</i>
			<i>Others</i>
			<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>
8	2	uni t	Compact Document Scanner
			<i>25ppm/50ipm, 2-sided colour scan speed</i>
			<i>20 sheets Automatic Document Feeder (ADF)</i>
			<i>Portable with micro-B USB3.0 Bus power</i>
			<i>Dedicated plastic ID card slot</i>
			<i>Scan to PC and USB host</i>
			<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>
			<i>Document Size - Multiple Papers - Width: 51 mm to 215.9 mm</i>
			<i>Document Size - Multiple Papers - Length: 70 mm to 863 mm</i>
			<i>Document Size - Single Papers - Width: 51 mm to 215.9 mm</i>
			<i>Document Size - Single Papers - Length: 70 mm to 863 mm</i>
			<i>Colour/Black: Yes/Yes</i>
			<i>Duplex Scan: Yes</i>
			<i>Color Depth - Input: 48-bit colour processing</i>
			<i>Color Depth - Output: 24-bit colour processing</i>
			<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>
			<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>
			<i>Scanning Width: Max 216mm</i>
			<i>Grayscale: 256 levels</i>
			<i>Memory Capacity: SDRAM: 256 MB</i>

			ADF: up to 20 sheets
			Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0
9	1	unit	Computer Printer
			☑ Compact integrated tank design
			☑ Print speeds up to 10.5ipm for black and 5.0ipm for colour
			☑ Auto-duplex printing
			☑ Wi-Fi & Wi-Fi Direct
			☑ Borderless Printing up to A4 size
			☑ Spill-free ink refilling
			☑ Warranty of 2 years or 30,000 pages, whichever comes first
			☑ Printer Type:
			◀ Print, Scan, Copy
			☑ Printing Technology:
			☑ Print Method:
			◀ On-demand inkjet (piezoelectric)
			☑ Minimum Ink Droplet Volume:
			◀ 3 pl
			☑ Printer Language:
			◀ ESC / P-R
			☑ Print Direction:
			◀ Bi-directional printing, Uni-directional printing
			☑ Nozzle Configuration:
			◀ 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)
			☑ Maximum Resolution:
			◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			☑ Automatic 2-sided Printing:
			◀ Yes (up to A4)
			☑ Print Speed:
			☑ Photo Default - 10 x 15 cm / 4 x 6 " *2:
			◀ 1 Approx. 69 sec per photo (Border) *1
			◀ Approx. 92 sec per photo (Borderless) *1
			☑ Draft, A4 (Black / Colour):
			◀ Up to 33 ppm / 15 ppm *1
			☑ ISO 24734, A4 Simplex (Black / Colour):
			◀ Up to 10.5 ipm / 5.0 ipm *1
			☑ ISO 24734, A4 Duplex (Black / Colour):
			◀ Up to 6.0 ipm / 4.0 ipm *1
			☑ Copy Speed:
			☑ Copy Quality:
			◀ Draft / Standard / Best Quality
			☑ Maximum Copies from Standalone:
			◀ 99 copies
			☑ Reduction / Enlargement:

		◀ 25 - 400%, Auto Fit Function
		☑Maximum Copy Size:
		◀ A4, Letter
		☑ISO 29183, A4 Simplex Flatbed (Black / Colour):
		◀ Up to 7.7 ipm / 3.8 ipm
		☑Max Copy Resolution:0
		◀ 1440 x 720 dpi
		☑Scan Function:
		☑Scanner Type:
		◀ Flatbed colour image scanner
		☑Sensor Type:
		◀ CIS
		☑Optical Resolution:
		◀ 1200 x 2400 dpi
		☑Maximum Scan Area:
		◀ 216 x 297 mm (8.5 x 11.7 ")
		☑Scanner Bit Depth (Colour):
		◀ 48-bit input, 24-bit output
		☑Scanner Bit Depth (Grayscale):
		◀ 16-bit input, 8-bit output
		☑Scanner Bit Depth (Black & White):
		◀ 16-bit input, 1-bit output
		☑Scan Speed:
		☑Flatbed (Black / Colour):
		◀ 200 dpi: 11 sec / 200 dpi: 28 sec
		☑Paper Handling:
		☑Number of Paper Trays:
		◀ 1 (Paper Cassette)
		☑Standard Paper Input Capacity:
		◀ 100 sheets, A4 Plain paper (80 g/m ²)
		◀ 20 sheets, Premium Glossy Photo Paper
		☑Output Capacity:
		◀ 30 sheets, A4 Plain Paper
		◀ 20 sheets, Premium Glossy Photo Paper
		☑Maximum Paper Size:
		◀ 215.9 x 1200 mm (8.5 x 47.24 ")
		☑Paper Feed Method:
		◀ Friction feed
		☑Paper Size:
		◀ Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6
		☑Print Margin:
		◀ 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3
		☑Card Slot / USB Host Function:
		☑Type of Direct Printing:
		◀ Memory Device

			<ul style="list-style-type: none"> ☑Supported Memory Cards: ◀SD Memory Card ☑Printer Software: ☑Operating System Compatibility: ◀Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10 ◀Windows Server 2003 / 2008 / 2012 / 2016 ◀Only printing and scanning functions are supported for Windows Server OS ◀Mac OS X 10.6.8 or later ☑Interface: ☑USB: ◀USB 2.0 ☑Network: ◀Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct ☑Network Protocol: ◀TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD
10	1	unit	<p>Computer Printer 3-in-1</p> <ul style="list-style-type: none"> ☑with CIS Filled with Inks ☑Compact integrated tank design ☑High yield ink bottles ☑Spill-free, error-free refilling ☑Wi-Fi, Wi-Fi Direct ☑Borderless printing up to 4R
11	5	unit	<p>Computer Printer, All-in-One/Multifunction Colored-Ink Tank</p> <ul style="list-style-type: none"> ☑Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour ☑Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles ☑Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices ☑3-in-1: Print, copy & scan and borderless photo printing ☑Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color ☑Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology ☑Ink Technology: Dye Ink ☑Printing Resolution: 5,760 x 1,440 DPI
12	2	pc	<p>Data logger module for Arduino UNO</p> <p>SD card interface works with FAT16 or FAT32 formatted cards.</p> <p>3.3V level shifter circuitry prevents damage to your SD card.</p> <p>Real time clock (RTC) keeps the time going even when the Arduino is unplugged.</p> <p>Included libraries and example code for both SD and RTC, means you can get going quickly.</p> <p>Prototyping area for soldering connectors, circuitry or</p>

			sensors.
13	1	set	Desktop Computer (i3, 11th Gen)
			☑Processor: Intel Core i3-11300 (4 cores /8 threads) or higher
			☑Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200
			☑8GB DDR4 2933 DIMM Desktop Memory or higher
			☑SSD: 240GB NVMe or higher
			☑Keyboard and Mouse Combo
			☑Casing with Power Supply
			☑Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,
			☑Operating System: Genuine Windows 10 Home (OEM)
			☑AVR: 500W IC controlled
14	2	unit	Desktop Computer (i7 Branded)
			☑CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher
			☑HDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher
			☑RAM: 8GB (8GBx1) DDR4 2666MHz or higher
			☑Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher
			☑Screen: at least 23" IPS Monitor FHD
			☑Optical Drive: No Optical Drive
			☑USB Mouse and Keyboard
			☑ Uninterruptible Power Supply (UPS): at least 600VA, at most 4 hours charging time
			☑OS: Windows 10 Home Single Language (64bit) English or higher
15	1	unit	Desktop Computer, Assembled, 12th Gen Core i5
			☑Processor: Intel Core i5 12500 with Intel® UHD Graphics 770 processor graphics or higher
			☑Motherboard: Intel® H610 Motherboard with 6+1+1 Hybrid Phases Digital VRM Design, PCIe 4.0* Design, Gen3 x4 M.2, mATX form factor , Anti-Sulfur Resistor or higher
			☑Memory: 16GB (2x8) 3200MHz DDR4 or higher
			☑SSD: 500GB 3D NAND SSD PCIe Gen3x4 or higher
			☑Casing: MATX casing with acrylic side panels
			☑Power Supply: 450Watts 80+ Bronze Certified with 120mm thermally controlled low-noise cooling fan
			☑Monitor: 23" IPS FHD, 72% NISTC color gamut with 75Hz refresh rate
			☑Operating System: Genuine Windows 11 Pro

			<ul style="list-style-type: none"> ☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse
			☑500W IC controlled AVR
16	4	set	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD
			☑Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher
			☑Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher
			☑RAM: 16GB DDR4 3200 Mhz or higher
			☑SSD: 512 GB NVMe PCIe Gen 3x4
			☑HDD: 1 TB 7200 RPM
			☑PSU: 650w 80 plus Bronze Certified
			☑Casing: mATX Casing with transparent acrylic side panel
			☑24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate
			☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse
			☑Operating system: Genuine Windows 11
17	12	unit	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C
			<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>
18	3	btl	EPSON M200 Ink 774 black
			<i>Epson Genuine 774 Pigment Black 140ml Ink for M200;</i>
19	2	unit	External Hard Drive, 1 TB
			<i>Capacity: 1TB</i>
			<i>Connection interface: USB 2.0/3.0</i>
			<i>Storage Media: 2.5" SATA HDD</i>
			<i>Op. Voltage: USB DC 5V</i>
			<i>Size :129.5mm x 82.4mm x 20.4mm</i>
			<i>Weight: 216g</i>
20	1	unit	Global Positioning System (GPS)
			<i>4-inch dual-orientation,</i>
			<i>glove friendly touchscreen display;</i>
			<i>8 megapixel autofocus camera;</i>
			<i>automatically geotags photos; tracks both GPS and</i>

			GLONASS satellites;
			1-year birds Eye Satellite Imagery subscription;
			3-axis compass with barometric altimeter
21	2	pc	HDMI Cable
			3m
22	4	meter	HDMI Cable, 10m
			☐10 meters
			☐Nylon braided
			☐1.4 version 3D support
			☐Support all high resolutions including 480p, 720p, 1080p and 1180p.
			☐Multi -channel digital audio with a 10.2 Gbps bandwidth
			☐HDMI AV cable for HDTV
			☐HDMI EMI/RFI Compliant Cable
			☐24k GOLD plated HDMI plugs
			☐ROHS compliant cable.
23	2	unit	Headset with Noise Cancelling Mic
			☐Input Impedance: at least 32 Ohms
			☐Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB
			☐Sensitivity (microphone): -17 dBV/Pa +/- 4 dB
			☐Frequency response (Headset): 20 Hz - 20 KHz
			☐Frequency response (Microphone): 100 Hz - 10 KHz
			☐Cable Length: at least 7 ft
			☐Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter
24	20	pc	Ink Cartridge Canon G2010
25	10	btl	Ink continuous, refill, black (Brother DCP T310)
			Ink continuous, refill, black (Brother DCP T310) BTD60 BK - Black;
26	5	btl	Ink, Brother BT5000C Cyan
27	5	btl	Ink, Brother BT5000M Magenta
28	5	btl	Ink, Brother BT5000Y Yellow
29	35	btl	Ink, Epson 003,Genuine Black 65mL
30	16	btl	Ink, EPSON 003,Genuine Cyan 65mL
31	11	btl	Ink, EPSON 003,Genuine Magenta 65mL
32	16	btl	Ink, EPSON 003,Genuine Yellow 65mL
33	4	pc	Ink, Epson, genuine, (BK) T664, 70 ml
34	3	pc	ANTI VIRUS 1 DEVICE 2 YEARS
35	3	pc	INTERNET SECURITY 1 DEVICE 1 YEAR
36	2	set	Keyboard And Mouse Combo Bundle, USB powered
			☐Keyboard
			◀Keycaps: A-Shape, Round Edge
			◀Hotkeys: No
			◀Character: Laser Engraving
			◀Adjustable Keyboard Legs: Yes
			◀Rating: 5 V / 30 mA

			<ul style="list-style-type: none"> ☐ Mouse ◀ Report Rate: 125 Hz ◀ Sensor: Optical ◀ Resolution: 1000 DPI ◀ Rating: 5 V / 100 mA ◀ Buttons No.: 3 ◀ Ergonomic Design: Symmetric ◀ Size: Middle / Big Hands
37	22	unit	<p>LCD Projector (XGA), 3LCD Technology</p> <ul style="list-style-type: none"> ☐ Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology ☐ White Light Output (Normal/Eco): 3,600 lm ☐ Colour Light Output: 3,600 lm ☐ Resolution XGA, at least 1024 x 768, ☐ Analog Input: D-Sub 15pin: 1 ☐ Digital Input: HDMI: 1 ☐ LCD: Native Resolution: XGA (1024 x 768) ☐ Size: 0.55" (C2fine) ☐ Lightsource: Type: 210W UHE ☐ Life (Normal / Eco): 6,000 / 12,000 hours ☐ Aspect Ratio: 4:3 ☐ USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings) ☐ Analog Input: D-Sub 15pin: 1 ☐ Digital Input: HDMI: 1
38	13	unit	<p>LCD Projector, XGA (1024x768)</p> <ul style="list-style-type: none"> ☐ Projection Method: Front/rear/ceiling mount ☐ Pixel Number: at least 786,432 dots (1024 x 768) x 3 ☐ Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4 ☐ Aspect ratio: 4:3 ☐ Lamp Life: ECO Mode up to 5000 hrs ☐ Normal Mode up to 4000 hrs ☐ Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen) ☐ Keystone Correction: Manual ☐ USB Plug 'n Play: Compatible w/ PC and MAC computers ☐ Contrast Ratio: 15.000 : 1 ☐ Color Reproduction: 16.77 million color
39	3	pc	<p>Mouse, Wired, Optical, USB</p> <ul style="list-style-type: none"> ☐ USB Port Connectivity ☐ Sensor: Optical ☐ DPI: 1600 ☐ Work method: Wired ☐ Buttons: Left button, middle button, right button ☐ Scroll wheel direction: Two way

			<p>☐ <i>Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design</i></p>
40	1	unit	<p>NETBOOK</p> <p>PROCESSOR INTEL 4th GENERATION PROCESSOR or higher</p> <p>PROCESSOR MODEL INTEL CORE i3/i5/i7</p> <p>STORAGE CAPACITY 16GB or higher</p> <p>SOLID STATE DISK CAPACITY 512GB or higher</p> <p>MECHANICAL HARD DISK CAPACITY 500GB HDD or higher</p> <p>SCREEN SIZE 15.6 INCHES - 14 INCHES</p>
41	16	unit	<p>Printer, All-in-One Wireless Ink Tank Color</p> <p>☐ <i>Product Description</i></p> <p>◀ <i>Product Details of All-in-One Wireless Ink Tank Colour Printer</i></p> <p>◀ <i>Printing resolution(dpi): 4800(horizontal) x 1200(vertical)</i></p> <p>◀ <i>Interface: USB Port=Hi-Speed USB *1, LAN Port=Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b*2</i></p> <p>◀ <i>Multiple copy: Max. 20 pages</i></p> <p>◀ <i>Maximum scanning size: A4/Letter, 8.5" x 11.7"/216x297 mm</i></p> <p>◀ <i>Multiple Copy: Mx. 99 pages</i></p> <p>◀ <i>Scanner Driver: Windows=TWAIN 1.9 Specification, WIA</i></p> <p>◀ <i>Scanning resolution: optical resolution (horizontal x vertical)= 600 x 1200 dpi</i></p> <p>◀ <i>Gradiation (input/Output): Gray=16bit/8bit, Color=RGB each 16bit/8bit</i></p> <p>◀ <i>Data Compressing System: Black=MH, MR, MMR, Color= JPEG</i></p> <p>◀ <i>Modem Speed: Max. 33.6 kbps</i></p> <p>◀ <i>Density adjustment: 3 levels</i></p> <p>◀ <i>Memory: Transmission/reception= approx. 50 pages</i></p> <p>◀ <i>Color: 200 x 200 dpi</i></p> <p>◀ <i>Operating System: Windows 10,8.1,7 SP1</i></p> <p>◀ <i>Hard Disk Space: 3.1GB</i></p> <p>◀ <i>Display: XGA 1024 x 768</i></p> <p>◀ <i>Connectivity Type: WiFi</i></p> <p>◀ <i>Wireless LAN: Supported Standards: IEEE802.11n / IEEE802.11g / IEEE802.11b</i></p> <p>◀ <i>Frequency bandwidth: 2.4 GHz</i></p> <p>◀ <i>WCN (WCN-NET) • Easy wireless connect</i></p> <p>◀ <i>Other Features: Administration password</i></p> <p>◀ <i>Other Supported OS: iOS, Android, Windows 10</i></p>

			Mobile
			◀ Mobile Printing Capability: Google Cloud Print, Apple AirPrint
42	3	unit	Printer, computer, continuous ink system, 4-in-1 (Print, Scan, Xerox copy, Fax with ADF)
			▣ Print Method: On-demand ink jet (piezoelectric)
			▣ Minimum Ink Droplet Volume: 3 pl
			▣ Print Direction: Bi-directional printing, Uni-directional printing
			▣ Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)
			▣ Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			▣ USB: USB 2.0
			▣ Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
			▣ Network Protocol: TCP/IPv4, TCP/IPv6
43	3	pc	SD Card, 1 TB
			U3 4K C10 V30
			Capacity: 1 TB
			Compatibility: Compatible with microSDHC/SDXC, /SDHC UHS-I/microSDXC UHS-I supporting host devices
			Sequential Read Performance: 200MB/s
			Sequential Write Performance: 140MB/s
			Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm
44	1	pc	Stereo Speaker for PC Desktop
			Product Description
			Quantum Duo PC speakers with the different color presets and lighting patterns
			General Specifications:
			Output power (W) 20
			Audio Specifications:
			Dynamic frequency response range (Hz)
			60 Hz - 20K Hz
			Dimensions:
			Dimensions (cm)
			8.9 x 21 x 17.6
			Dimensions (in)
			3.5 x 8.3 x 6.9
			Weight (kgs) 2.8
			Weight (lbs) 6.2
			Control and Connection Specifications:
			Bluetooth profiles
			A2DP v1.3, AVRCP v1.5
			Bluetooth frequency
			2402 MHz - 2480 MHz
			Bluetooth transmitted modulation
			GFSK, $\pi/4$ DQPSK, 8DPSK
			Bluetooth transmitter power
			≤ 12.5 dBm (EIRP)

			Bluetooth version
			4.2
45	6	pc	Temperature and Humidity Sensor DHT11
			Operating voltage: 3.3v-5.5v
			Humidity measuring range: 20%-95%
			Small plates PCB size: 3.2cm x 1.4cm
46	6	pc	Temperature and Humidity Sensor, DHT22
			☑Sensing element
			◀polymer capacitor
			☑Power supply
			◀3.3 to 6V DC
			◀Operating range
			◀0-100% RH;
			◀-40 to 80 celsius Temp
			☑Dimension
			◀22 x 28 x 5 mm
47	2	pc	Temperature-Humidity Data Logger
			☑Portable and hand-held
			☑16000 data recording capacity.
			☑Adjustable record interval: 10s~24hour
			☑Multi-function LCD
			☑Internal NTC temperature thermal sensor with optional external sensor
			☑Data export in PDF/EXCEL via data management software
			☑Selectable °F/°C temperature unit
			☑Size: approx. 84 (L) x 44(W) x 20 (H) mm
			☑Good quality
			☑Durable
48	3	unit	UPS 800W (for Computer)
			☑Charging time: At most 4 hours;
49	4	pc	USB Hub, 4 gangs
			MS Universal USB 3.0 Multi-Port Socket at least 4 ports
			Plug type: US, EU
50	6	unit	Web Camera for PC
			☑Image sensor: 1 / 2.9
			☑Lens: 3.6mm/75.7 °
			☑Effective pixel: 1932 (H) * 1088 (V)
			☑Horizontal resolution: 2MP
			☑SNR: > 50dB
			☑Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360
			☑Video Frame rate: 25FPS / 30FPS
			☑Electronic shutter: Auto
			☑Protocol: UVC / UVA
			☑Video output: USB video stream

			<ul style="list-style-type: none"> ☑ Working voltage: DC5V / 160mA ± 6mA
			<ul style="list-style-type: none"> ☑ Working environment: -20 °C to 60 °C
51	1	set	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti
			<i>Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock, 4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher</i>
			<ul style="list-style-type: none"> ☑ Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher
			<ul style="list-style-type: none"> ☑ Graphics: GTX 1660 ti
			<ul style="list-style-type: none"> ☑ Monitor: 24"
			<ul style="list-style-type: none"> ☑ Memory: 16GB DDR4 3200MHZ(8+8) or higher
			<ul style="list-style-type: none"> ☑ Storage: 512g SSD M2 or higher
			<ul style="list-style-type: none"> ☑ Storage: 1TB HDD
			<ul style="list-style-type: none"> ☑ Keyboard and Mouse
			<ul style="list-style-type: none"> ☑ Audio: HD audio Realtek
			<ul style="list-style-type: none"> ☑ Operating System: Genuine Windows 10 or higher
52	2	pc	Laptop (Pentium Dual Core)
			<ul style="list-style-type: none"> ☑ Processor: Intel Pentium Gold 4417u Processor or higher
			<ul style="list-style-type: none"> ☑ Memory: at least 4GB DDR4 or higher
			<ul style="list-style-type: none"> ☑ Storage: at least 128GB SSD
			<ul style="list-style-type: none"> ☑ Display: 14" HD (1366x768) LED Display
			<ul style="list-style-type: none"> ☑ Video Processor: nVidia MX110 2GB VRAM or higher
			<ul style="list-style-type: none"> ☑ Connectivity: 802.11AC WiFi + BT USB3.0 Port HDMI Port
			<ul style="list-style-type: none"> ☑ Operating System: Genuine Windows 10 Home
53	1	unit	Desktop Computer (i7) Branded, with 24" FHD IPS Monitor
			<ul style="list-style-type: none"> ☑ Processor Type: Intel Core i7 (2.1 GHz base frequency, up to 4.9 GHz with Intel Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads) or higher
			<ul style="list-style-type: none"> ☑ Memory: 16 GB DDR4-3200 SDRAM (1 x 16 GB) or higher
			<ul style="list-style-type: none"> ☑ Hard Drive: 512 GB PCIe NVMe M.2 SSD; 1 TB 7200 rpm SATA HDD
			<ul style="list-style-type: none"> ☑ OS: Windows 11
			<ul style="list-style-type: none"> ☑ "Expansion Slot: 2 x PCI Express Slots (1 x PCI-Ex16 , 1 x PCI-Ex1), 2 x M.2 Expansion Slots (1 for SSD; 1 for WLAN)", Expansion Bay: HDD 3.5" x 2 (or HDD 3.5" x 1 + HDD 2.5" x1) + 9.5mm slim ODD x 1
			<ul style="list-style-type: none"> ☑ Monitor: 24" FHD IPS Monitor
			<ul style="list-style-type: none"> ☑ Graphics: NVIDIA GeForce GTX 1660 SUPER (6 GB GDDR6 dedicated)
			<ul style="list-style-type: none"> ☑ Power Supply: 350 W 80 Plus Gold certified power

			supply
			☑Keyboard & Mouse: Wireless Keyboard and mouse combo
			☑LAN: Integrated 10/100/1000 GbE LAN
			☑"WLAN: Realtek Wi-Fi 6 (2x2) and Bluetooth 5.2 combo (Supporting Gigabit data rate) MU-MIMO supported " Bluetooth: YES
			☑Ports: Front: 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C 5Gbps signaling rate; Rear: 4 USB 2.0 Type-A
			☑Speakers:
			◀ Single USB cable for computers and laptops enjoy a hassle-free Audio experience with a single USB cable without the need for a power adapter
54	4	pc	HP, Laser Jet 107a Toner HP 107A (W1107A), Black
55	1	unit	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)
			☑Tank Ink System
			☑Printer Type: Print, Scan and Copy
			☑Scanner Type: Flatbed colour image scanner
			☑Sensor Type: CIS
			☑Optical Resolution: 600 x 1200 dpi
			☑Copy Speed: Maximum Copies from Standalone: 20 copies
			☑Maximum Copy Size: A4, Letter
			☑ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm
			☑Max Copy Resolution: 300 x 300 dpi
			☑Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard
			☑Output Capacity: Up to 30 sheets
			☑A4 plain paper: 20 sheets, Premium Glossy Photo Paper
			☑Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")
			☑Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			☑Print Direction: Bi-directional printing
			☑Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			☑Minimum Ink Droplet Size: 3 pl
56	4	box	Toner Cartridge, HP 85A CE285A, Black
			HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w
			HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C
57	1	lot	1 Lot LAN Cable
			7 spools at 12,000.00 each

			<i>LAN Cable, Cat 6 (VSU existing fleet Belden)</i>
			<i>Cat6 UTP cable, 4 pairs, AWG23, e-spline center, UL listed, ISO, 305m(1000ft)/spool</i>
58	1	lot	1 Lot Network Infrastructure (Miscellaneous)
			<i>Network IP Phones:</i>
			<i>3 units at 7,000.00</i>
			<i>Cisco CP-6821 (same existing fleet of VSU IP Phones)</i>
			<i>IP Network Camera:</i>
			<i>5 units at 3,500.00</i>
			<i>Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)</i>
			<i>3M Volition (Same fleet of VSU existing) Face plate with module, flush type</i>
			<i>*2 Ports Face plate with RJ-45 Module Cat 6</i>
			<i>25 sets at 850.00</i>
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top or bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>*1 Port Face plate with RJ-45 Module Cat 6</i>
			<i>25 sets at 450.00</i>
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top to bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>Granding FA1-H Biometric System (Same with existing VSU fleet)</i>
			<i>2 units at 10,000.00</i>
			<i>Biometric System, finger print and facial recognition</i>
			<i>Built-in backup battery</i>
			<i>Network port</i>
59	1	lot	1 Lot Network Switches
			<i>6 units at 75,000.00 each</i>
			<i>Network Switches:</i>
			<i>Units-HP Aruba 2530 (Based on VSU Existing HP fleet of</i>

			network equipment)
			*PoE, PoE+ (370watts)
			*24 ports
			*Up to 104 Gbps capacity
			*Layer 2
			*Fast Ethernet, 1GbE
			*Lifetime Warranty
60	1	lot	1 Lot Network Switches (2)
			2 units at 95,000.00 each
			Network Switches:
			HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)
			PoE, PoE+ (370 watts)
			24 ports
			Up to 176 Gbps Switching capacity
			Layer 2 with Static and RIP
			1G, SFP, SFP+
			Lifetime Warranty
61	1	lot	1 Lot Uninterruptible Power Supply (UPS)
			UPS: 9 units at 6,000.00
			1000 watts, 1500VA, Universal type of outlet, built-in AVR
62	1	lot	Network Wifi Access Points
			20 units Network WiFi Access Points
			Unifi Nano HD
			(Existing fleet of VSU Wifi Access Points)
63	4	unit	Network Switch
			☑Standards: IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3az
			☑Number of Ports: 24 Gigabit
			☑Speed: 10/100/1000
			☑Bandwidth: 48 Gbps (non-blocking)
			☑Performance: Full line rate and forwarding rate of 64B frame at: 1.488Mpps for 1000M port , 0.1488Mpps for 100M port, 0.01488Mpps for 10M port
			☑Quality of Service: 802.1p and DSCP
			☑MAC Address Table: 8K
64	3	unit	UTP Cable (305 meters), CAT 6 23 AWG
			☑UTP Cable cat6
			☑Cat 6 Cable UTP Unshielded AWG23
			☑Gray Data LAN Cable
			☑1000 feet 305m 1000ft.
			☑must be UL listed & ISO certified cable
65	5	unit	Laptop, 14" (i7)
			☑Processor: Intel Core i7 10th generation or higher
			☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5

			☑Memory: at least 8GB DDR4-2666
			☑Storage: at least 256GB SSD M.2 + 1TB HDD
			☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare
			☑Touchscreen: None
			☑Optical: None
			☑Media Reader: 4-in-1 Card Reader
			☑Ethernet: None
			☑WLAN + Bluetooth
			☑Camera: at least 720p
			☑Microphone: at least 2x, Array
			☑Operating System: licensed Windows 10 Home or Pro
			☑Bundled Software: Microsoft Office Perpetual License
			☑Repair and replacement should be at most 3 month from returning the unit
			☑at least 3 years Warranty
			☑FREE: Backpack
66	30	pc	HDMI to HDMI cable
			chord 1.8 meter long
67	1	unit	External Hard Disk Drive (Portable, 2TB), USB
			☑Shock-absorbing
			☑Interface: USB 3.1 (Max.5Gb/s)
			☑Capacity: 2TB
			☑Texture: Plastic/Rubber
			☑Operating Voltage: DC 5V, 900mA
			☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later
68	2	pair	Multimedia Speakers 2.0, 6W, USB powered
			Total Output Power (RMS): 6W
			Satellite wattage (RMS):3W
			Satellite Driver : Size : 2.5"
			Frequency Range: 70-20000 Hz
			Interface: 3.5mm jack
			Housing material : ABS
			Controls: Overall Volume
			Power Supply: via USB, 5V
69	4	pc	DJI Inspire 2 TB50 Intelligent Flight Battery
70	2	pc	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh
71	1	lot	A4 Pigment Printer
72	1	unit	Smartphone for 3D and Internet-of-Things Development and Controls
			6-core CPU with 2 performance and 4 efficiency cores; 5-core GPU; 16-core Neural Engine
			Gold Finish
			6.1-inch (diagonal) all-screen OLED display
			2556-by-1179-pixel resolution at 460 ppi
			256 GB

			Rated IP68 (maximum depth of 6 meters up to 30 minutes) under IEC standard 60529
			TrueDepth camera for facial recognition
			Precision dual-frequency GPS (GPS, GLONASS, Galileo, QZSS, and BeiDou)
			Digital compass
			Wi-Fi
			Cellular
			iBeacon microlocation
			LiDAR Scanner
			Barometer
			High dynamic range gyro
			High-g accelerometer
			Proximity sensor
			Dual ambient light sensors
73	6	unit	Arduino UNO microcontroller, Microchip AT mega328P
74	8	set	Computer Monitor 24", IPS, Bezel-less Full HD Monitor
			☑Panel Type: IPS
			☑Brightness(Typical): 250cd/m ²
			☑Brightness(Min): 200cd/m ²
			☑Contrast Ratio Static: 1000:1(typical)
			☑Dynamic Contrast Ratio: MegaFlat
			☑Resolution: 1920x1080
			☑Response Time: 5ms(GTG)
			☑Max Color Support: Max 16.7M
			☑Max Refresh Rate: Max 75Hz
			☑Interface: D-sub(x1), HDMI(x1)
75	2	pc	CPU (Central Processing Unit)
			☑AMD A10-8770 Processor
			☑Motherboard compatible with the processor
			☑Kingston 4GB DDR4-2666 Memory
			☑CPU Casing w/ PSU
			☑256GB SSD
76	15	unit	External Hard Disk Drive (Portable, 1TB), USB 3.1
			☑Shock-absorbing
			☑Interface: USB 3.1 (Max.5Gb/s)
			☑Capacity: 1TB
			☑Texture: Plastic/Rubber
			☑Operating Voltage: DC 5V, 900mA
			☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later
77	10	pack	Ink, T05C1, BLACK, Genuine
			(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS)

			<i>Original Pigment Inks)</i>
78	10	pac k	Ink, T05C2, Cyan, Genuine
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
79	10	pac k	Ink, T05C3, Magenta, Genuine
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
80	10	pac k	Ink, T05C4, Yellow, Genuine
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
81	20	uni t	Laptop 14" (i5)
			■Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher
			■Operating system: Windows 10 Home
			■Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher
			■Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC
			■Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher
			■Storage: 512GB PCIe Gen3 x2 SSD
82	10	uni t	Universal HDMI to VGA Adapter Cable, at least 1.8 meters
83	1	uni t	Desktop Computer with 2 Units Printer
			<i>Desktop Computer with 2 units Printers</i>
			<i>Intel Core i7-13400, 10C (6P + 4E) / 16T, P-core 2.5 / 4.6GHz, E-core 1.8 / 3.3GHz, 20MB or higher</i>
			<i>mATX B760 Chipset Motherboard with Hybrid 8+1+1 Phases Digital VRM Solution/ Advanced Thermal Design & M.2 Thermal Guard</i>
			<i>16GB UDIMM DDR4-3200 or higher</i>
			<i>1TB SSD M.2 2280 PCIe 4.0x4 NVMe</i>
			<i>600Watts Bronze Certified PSU or higher</i>
			<i>Casing with Acrylic Side Panels</i>
			<i>NVIDIA GeForce RTX 3050 8GB GDDR6</i>
			<i>Wi-Fi 6, 11ax 2x2 + BT5.1</i>
			<i>24" IPS Monitor, 75Hz</i>
			<i>4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection, UPS</i>
			<i>Genuine Windows 11 Home</i>
			<i>With: UPS, Keyboard, Mouse, Web Camera and Headset</i>

			<i>Computer Printer, All-in-One Multifunction, Colored Ink Tank</i>
84	1	unit	Laptop
			<i>Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher</i>
			<i>16GB RAM or higher</i>
			<i>512GB M.2 NVMe PCIe 3.0 SSD or higher</i>
			<i>16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate</i>
			<i>NVIDIA Geforce RTX 3050 4GB Laptop GPU 4GB GDDR6</i>
			<i>Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card</i>
			<i>Windows 11 Home</i>
85	6	btl	Epson 003 Ink Bottle for Epson L3150, Black
86	6	btl	Epson 003 Ink Bottle for Epson L3150, CYAN
87	6	btl	Epson 003 Ink Bottle for Epson L3150, MAGENTA
88	6	btl	Epson 003 Ink Bottle for Epson L3150, YELLOW
89	1	pc	Router, Wireless
			<i>☑Enjoy the benefits of Wireless-N300 (802.11n) in your home ideal for surfing the web, emailing and printing wirelessly</i>
			<i>☑Connect your computers, wireless printers, smartphones, and other wireless devices at up to 300 Mbps transfer speed</i>
			<i>☑Enjoy broad wireless coverage provided by MIMO antenna technology</i>
			<i>☑Use four Fast Ethernet (10/100 Mbps) ports to directly connect wired devices</i>
			<i>☑Keep your network protected with customizable security settings, including WPA/WPA2 Personal and SPI firewall protection</i>
90	1	unit	Laptop
			<i>Operating System</i>
			<i>Windows 11 Home Single Language</i>
			<i>Operating System Architecture 64-bit</i>
			<i>Processor: Intel Core™ i5 -12500H or higher</i>
			<i>Processor Speed 2.50 GHz</i>
			<i>Processor Core Dodeca-core (12 Core™)</i>
			<i>Processor Generation 12th Gen</i>
			<i>Graphics Controller Manufacturer: NVIDIA®</i>
			<i>Graphics Controller Model</i>
			<i>GeForce® RTX™ 3050</i>
			<i>Graphics Memory Capacity 4 GB</i>
			<i>GDDR6</i>
			<i>Graphics Memory Accessibility</i>
			<i>Dedicated</i>

			<i>GPU Boost Clock</i>
			<i>Up to 1600 MHz</i>
			<i>Maximum Graphics Power</i>
			<i>Up to 95 W</i>
			<i>Screen Size: 39.6 cm (15.6")</i>
			<i>Display Screen Type: LCD</i>
			<i>Backlight Technology: LED</i>
			<i>Screen Resolution: 1920 x 1080</i>
			<i>Standard Refresh Rate</i>
			<i>144 Hz</i>
			<i>Total Installed System Memory: 8 GB</i>
			<i>DDR4 SDRAM</i>
			<i>Total Solid State Drive Capacity ; 512 GB</i>
			<i>Solid State Drive Interface</i>
			<i>PCI Express</i>
			<i>Wireless LAN Standard</i>
			<i>IEEE 802.11 a/b/g/n/ac/ax</i>
			<i>Wireless LAN Model</i>
			<i>Wi-Fi 6 AX 1650i</i>
			<i>Ethernet Technology</i>
			<i>Gigabit Ethernet</i>
			<i>Bluetooth Standard</i>
			<i>Bluetooth 5.1 or above</i>
			<i>Built-in Devices</i>
			<i>Microphone</i>
			<i>Interfaces/Ports</i>
			<i>HDMI</i>
			<i>Number of HDMI Outputs: 1</i>
			<i>Number of USB 3.2 Gen 1 Type-A Ports: 1</i>
			<i>Number of USB 3.2 Gen 2 Type-A Ports: 2</i>
			<i>Number of USB 3.2 Gen 2 Type-C Ports:1</i>
			<i>Total Number of USB Ports:4</i>
			<i>USB Type-C</i>
			<i>USB Type-C Detail</i>
			<i>USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W</i>
			<i>Network (RJ-45)</i>
			<i>Pointing Device Type</i>
			<i>TouchPad</i>
			<i>Keyboard Backlight</i>
			<i>TouchPad Features</i>
			<i>Multi-touch Gesture</i>
			<i>4-cell Lithium Ion (Li-Ion) Battery</i>
			<i>Maximum Power Supply Wattage 180 W</i>
			<i>Product Color Obsidian Black</i>
			<i>Miscellaneous</i>
			<i>Package Contents</i>

			Nitro 5 AN515-58-50YE Gaming Notebook
			Lithium Ion Battery
			AC Adapter
			Security Features
			Firmware Trusted Platform Module (TPM) solution
			Kensington lock slot
			Rebidding - VSU-GOODS-23-36
91	1	set	4000W Power Inverter + 3A solar controller kit
			Specifications:
			Output Voltage 220V
			Color: Yellow Black
			Material: Plastic
			Waveform: Modified Sine Wave
			Surge Peak Power: 4000W
			Input voltage: 12V
			Input voltage Range; 9.5V - 15.5V
			Output Voltage Range: 220V+ 10%
			Frequency: 50Hz
			Efficiency 90%
			Circuit topology push-pull
			No load current < 0.7A
			Low voltage protection: Minimum protection voltage 9.5V
			High voltage protection: Max protection voltage 15.5V
			Overload protection: Yes
			Output short circuit protection: Yes
			Positive and negative reverse connection protection: YES
			Output regulation: Yes
			Display Scree: Display Output Voltage Battery Voltage
			Input terminal wiring: terminal
			Output interface: 1Socket, 2* USB
			USB Output 2.14
			Car Cigarette Plug Length: 42.5cm/16.7inch
			Battery clips length 46.8cm / 6.334.4* 2.2 inch
			(NOTE: see attached specifications)
92	1	pc	Automatic Voltage Regulator, 5000 VA, Servo-motor controlled
			Capacity: 5000 VA
			Input Voltage: 160-240 V
			Output Voltage: 110/220 V
			Phase: Single
			Control System: Servo-Motor Control
			Response Time: within 4sec against 10%, Input Fluctuation
			Overload Protection
			Time Delay Function
			Analog Volt Meter and Ammeter
93	1	unit	Camera

			SENSOR TYPE: 1.0-type (13.2 mm x 8.8 mm) Exmor RS® CMOS sensor, aspect ratio 3:2
			NUMBER OF PIXELS (EFFECTIVE): Approx. 20.1 Megapixels
			LENS TYPE: ZEISS® Vario-Sonnar® T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)
			F-NUMBER (MAXIMUM APERTURE): F1.8(W)–2.8(T)
			ND-FILTER: Auto/On (3 steps)/Off
			FOCAL LENGTH: f = 8.8-25.7 mm
			ANGLE OF VIEW (35 MM FORMAT EQUIVALENT): 84 deg-34 deg (f = 24-70 mm) ² ₃
			FOCUS RANGE (FROM THE FRONT OF THE LENS): iAuto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity) / Program Auto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity)
			OPTICAL ZOOM: 2.9x
			CLEAR IMAGE ZOOM (STILL IMAGE): 20 M Approx. 5.8x/10 M Approx. 8.2x/5.0 M Approx. 11x/VGA Approx. 44x
			CLEAR IMAGE ZOOM (MOVIE): 4K: 4.35x, HD: Approx. 5.8x
			DIGITAL ZOOM (STILL IMAGE): 20 M Approx. 11x/10 M Approx. 16x/5.0 M Approx. 23x/VGA Approx. 44x
			DIGITAL ZOOM (MOVIE): Digital Zoom Approx. 11x
			SCREEN TYPE: 7.5 cm (3.0 type)(4:3)/1,228,800 dots/Xtra Fine/TFT LCD
			ADJUSTABLE ANGLE: Up by approx. 180 degrees, down by approx. 45 degrees
			DISPLAY SELECTOR (FINDER/LCD): Auto/EVF (Manual)/Monitor(Manual)
			MS ASSIST MAGNIFICATION: 5.3x, 10.7x
			SCREEN TYPE/NUMBER OF DOTS: 0.39-type electronic viewfinder(OLED), 2,359,296 dots
			FIELD COVERAGE: 100%
			MAGNIFICATION: Approx. 0.59x with 50 mm lens at infinity, -1m-1(diopter) (35 mm equiv.)
			EYE POINT: Approx. 20 mm from the eyepiece, 19.2 mm from the eyepiece frame at -1m-1(diopter) (CIPA standard)
			DIOPTRE ADJUSTMENT: -4.0 to +3.0 m-1
			BRIGHTNESS CONTROL: Auto, Manual (5 steps)
			IMAGE PROCESSING ENGINE: Yes (BIONZ X)
			STEADYSHOT (STILL IMAGE): Optical
			STEADYSHOT (MOVIE): Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type)
			FOCUS TYPE: Fast Hybrid AF(phase-detection)

			AF/contrast-detection AF)
			FOCUS MODE: Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus
			FOCUS AREA: Wide (315 points (phase-detection AF), 25 points [contrast-detection AF]), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF Wide/Zone/Center/Flexible Spot(S/M/L)/Expanded Flexible Spot
			LOCK ON AF: Yes
			LIGHT METERING MODE: Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight
			EXPOSURE COMPENSATION: +/- 3.0 EV, 1/3 EV step
			ISO SENSITIVITY (STILL IMAGE)(RECOMMENDED EXPOSURE INDEX)
			Auto (ISO125-12800, selectable with upper/lower limit),125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100),Multi-Frame NR: Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/2560056
			ISO SENSITIVITY (MOVIE)
			Auto: (ISO125–ISO12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
			MINIMUM ILLUMINATION (MOVIE): Auto:1.2 lux(Shutter Speed 1/30")
			WHITE BALANCE MODES: Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom
			WB MICRO ADJUSTMENT: Yes
			SHUTTER SPEED
			iAuto (4" - 1/2000)/Program Auto (30" - 1/2000)/Manual (Bulb, 30" - 1/2000)/Aperture Priority (30" - 1/2000)/Shutter Priority (30" - 1/2000)
			ELECTRONIC SHUTTER
			iAuto (4" - 1/32000)/Program Auto (30" - 1/32000)/Manual (30" - 1/32000)/Aperture Priority (30" - 1/32000)/Shutter Priority (30" - 1/32000)
			APERTURE
			iAuto (F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))
			IMAGE CONTROL
			Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW/RAW&JPEG (Extra fine, Fine, Standard)/JPEG (Extra fine, Fine, Standard)

			NOISE REDUCTION
			Long exposure NR: On/Off, available of shutter speeds longer than 1/3 sec., high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO200-25600
			DYNAMIC RANGE FUNCTIONS
			Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0–6.0 EV, 1.0 EV step))
			SHOOTING MODE
			AUTO(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) [body 3 sets/memory card 4 sets], Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection
			SCENE SELECTION
			Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Motion Blur, Pet Mode, Gourmet, Fireworks, High Sensitivity
			CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. RECORDING PIXELS)
			Continuous Shooting Hi: approx. 24fps, Continuous Shooting Mid: approx. 10fps, Continuous Shooting Low: approx. 3.5fps 8910
			SELF-TIMER
			10 s / 5 s / 2 s / 3 or 5 consecutive shots with 10 s, 5 s, or 2 s delay selectable / Bracketing shots with 10 s, 5 s, or 2 s delay selectable
			DRIVE MODES
			Single, Continuous shooting (Hi/Mid/Lo), Self-timer, Self-timer(cont.), Cont.-bracketing11, Single-bracketing11, White balance bracketing11, DRO bracketing11
			PANORAMA (SHOOTING): Sweep Panorama
			PICTURE EFFECT
			[Still Image]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration; [Movie]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.
			CREATIVE STYLE
			Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box
			PICTURE PROFILE
			off/PP1-PP7(Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2), Black Gamma, Knee, Color Mode, Saturation, Color Level, Color Phase, Color

		Depth, Detail, Copy, Reset)
		NUMBER OF RECOGNISED SCENES
		Still Image:Superior Auto: 44 / iAuto: 33, Movie:44
		FLASH MODE: Auto/Flash On/Slow Synchro/Rear Sync/Flash Off
		FLASH TYPE: Built-in, manual pop-up
		AF ILLUMINATOR: Auto / Off
		BRACKETING: Yes
		FLASH RANGE
		ISO Auto: Approx.0.4 m to 10.2 m (1.31 ft to 33.46 ft) (W) / Approx. 0.4 m to 6.5 m (1.31 ft to 21.33 ft) (T), ISO12800: up to Approx. 20.4 m (66.93 ft.) (W) / Approx. 13.0 m (42.65 ft.) (T)
		COMPATIBLE RECORDING MEDIA
		Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PROHG Duo, Memory Stick Micro1, Memory Stick Micro (Mark2), SD Memory Card, SDHC Memory Card(UHS-I), SDXC Memory Card (UHS-I), microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card
		RECORDING FORMAT
		[Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format); [Movie]: XAVC S, AVCHD format Ver.2.0 compatible
		RECORDING FORMAT (MOVIE AUDIO)
		XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator)
		COLOUR SPACE (STILL)
		sRGB, Adobe® RGB
		DCF/DPOF
		DCF/DPOF/EXIF/MPF
		STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE)
		3:2 mode: 20M (5,472 x 3,648) / 10M (3,888 x 2,592) / 5M (2,736 x 1,824), 4:3 mode:18M (4,864 x 3,648) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA,16:9 mode:17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528), 1:1 mode: 13M (3,648 x 3,648) / 6.5M (2,544 x 2,544) / 3.7M (1,920 x 1,920), Sweep Panorama: Wide (12,416 x 1,856/5,536 x 2,160), Standard (8,192 x 1,856/3,872 x 2,160)
		MOVIE RECORDING MODE (NTSC)
		NTSC/PAL Selector: [NTSC] AVCHD: 24 M FX (1,920x1,080/60i)/17 M FH (1,920x1,080/60i), XAVC S 4K: 30p 100 M (3,840x2,160/30p)/30p 60 M (3,840x2,160/30p)/24p 100 M (3,840x2,160/24p)/24p 60 M (3,840x2,160/24p), XAVC S HD: 60p 50 M (1,920x1,080/60p)/60p 25 M (1,920x1,080/60p)/30p 50 M (1,920x1,080/30p)/30p 16 M (1,920x1,080/30p)/24p 50 M

		(1,920x1,080/24p)/120p 100 M (1,920x1,080/120p)/120p 60 M (1,920x1,080/120p)
		MOVIE RECORDING MODE (PAL)
		NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX (1,920x1,080/50i)/17 M FH (1,920x1,080/50i), XAVC S 4K: 25p 100 M (3,840x2,160/25p)/25p 60 M (3,840x2,160/25p), XAVC S HD:50p 50 M (1,920x1,080/50p)/50p 25 M (1,920x1,080/50p)/25p 50 M (1,920x1,080/25p)/25p 16 M (1,920x1,080/25p)/100p 100 M (1,920x1,080/100p)/100p 60 M (1,920x1,080/100p),
		HFR
		(Recording) NTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1920x1080/250fps), 50p 50M(1920x1080/500fps), 50p 50M(1920x1080/1000fps) / 25p 50M(1920x1080/250fps), 25p 50M(1920x1080/500fps), 25p 50M(1920x1080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50 M (1,920x1,080/240fps), 60p 50 M (1,920x1,080/480fps), 60p 50 M (1,920x1,080/960fps)/30p 50M (1,920x1,080/240fps), 30p 50 M (1,920x1,080/480fps), 30p 50 M (1,920x1,080/960fps)/24p 50 M (1,920x1,080/240fps), 24p 50 M (1,920x1,080/480fps), 24p 50 M (1,920x1,080/960fps) (Sensor Readout Number of effective pixels) Quality Priority: 240fps/250fps (1,824x1,026), 480fps/500fps (1,824x616), 960fps/1000fps (1,244x420)/Shoot Time Priority: 240fps/250fps (1,824x616), 480fps/500fps (1,292x436),960fps/1000fps (912x308)
		STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE) DURING MOVIE
		16:9 mode: 17M(5472×3080)/7.5M(3648×2056)/4.2M(2720×1528)
		PROXY RECORDING
		Yes(1280 x 720 [approx. 9 Mbps])
		INPUT AND OUTPUT TERMINALS: Multi/Micro USB Terminal14, High-Speed USB (USB 2.0), Micro HDMI
		NFC: NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing
		WI-FI: Yes (IEEE802.11b/g/n(2.4 GHz band))
		POWER SOURCE
		DC 3.6 V(supplied battery) / DC 5.0 V(supplied AC Adapter)
		BATTERY SYSTEM
		Rechargeable Battery Pack NP-BX1
		POWER CONSUMPTION (CAMERA MODE)
		Approx. 2.6 W with LCD monitor and approx. 3.0 W with viewfinder (CIPA standard)
		USB CHARGE/USB POWER SUPPLY
		Yes (Shooting, Playback)

			BATTERY LIFE(STILL IMAGES)(CIPA)
			Monitor:Approx. 220 / Approx. 110 min., ViewFinder:Approx. 210/Approx. 105 min.
			BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA)
			Monitor:Approx. 35 min., ViewFinder:Approx. 35 min.
			BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)
			Monitor:Approx. 65 min., ViewFinder:Approx. 65 min.
			DIMENSIONS (W X H X D) (APPROX.)
			101.6x58.1x41.0 mm (4 in x 2 3/8 in x 1 5/8 in)
			WEIGHT (CIPA COMPLIANT)
			Approx. 299 g (10.5 oz)(Battery and Memory Stick Duo are included) / Approx. 272 g (9.6 oz)(Body Only)
94	1	pc	Digital Multimeter
			DCV: 400m/4/40/400/1000V
			ACV: 4/40/400/1000V $\pm(1.2\%+7)$
			DCA: 400 μ /4000 μ /40m/400m/4/10A
			ACA: 400 μ /4000 μ /40m/400m/4/10A
			Resistance: 400/4k/40k/400k/4M/40M Ω
			Capacitance: 50n/500n/5 μ /50 μ /100 μ F
			Frequency: 5/50/500/5k/50k/100kHz
			Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V
			Diode test: Open voltage:approx.1.5V
			Battery Check: Approximate value (30 Ω load) 1.5V battery only
			Display numeral display: 4000
			Sampling rate: 3 times/sec.
			Bandwidth: 40~400Hz (Sine wave)
			Fuse: 0.5A/1000V 30kA Φ 6.35x32mm 10A/1000V 30kA Φ 10x38mm
			Battery: R6Px2
			Battery life: Approx.400h (manganese battery) at DCV rangeSafety: IEC61010CAT. III 600V/CAT. II 1000VDCV: 400m/4/40/400/1000V
			ACV: 4/40/400/1000V $\pm(1.2\%+7)$
			DCA: 400 μ /4000 μ /40m/400m/4/10A
			ACA: 400 μ /4000 μ /40m/400m/4/10A
			Resistance: 400/4k/40k/400k/4M/40M Ω
			Capacitance: 50n/500n/5 μ /50 μ /100 μ F
			Frequency: 5/50/500/5k/50k/100kHz
			Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V
			Diode test: Open voltage:approx.1.5V
			Battery Check: Approximate value (30 Ω load) 1.5V battery only
			Display numeral display: 4000
			Sampling rate: 3 times/sec.

			Bandwidth: 40~400Hz (Sine wave)
			Fuse: 0.5A/1000V 30kA Φ6.35×32mm 10A/1000V 30kA Φ10×38mm
			Battery: R6Px2
			Battery life: Approx.400h (manganese battery) at DCV range
			Safety: IEC61010CAT. III 600V/CAT. II 1000V
95	1	lot	Electronics Tools and Instruments
			Digital Multimeter -> 10 units
			For measuring AC & DC current, resistance, capacitance, continuity, frequency, duty cycle and diode
			Toolbox -> 2 units
			Dimensions: 494 x 263 x 250 mm
			With removable tote tray
			Lineman Pliers Set -> 1 unit
			3-pc Set of Insulated Chrome Vanadium Steel of:
			Regular pliers, Long Nose pliers, and Diagonal Cutting pliers
			Extra Long Nose Pliers Set -> 1 unit
			1 pc. 0° Plier Length: 285mm/ 11.22inch.
			1 pc. 45° Plier Length: 280mm/ 11..02inch.
			1 pc. 90° Plier Length:265mm/ 10.43inch.
			1 pc. O Shape Plier Length: 275mm/ 10.83inch.
			Multi-functional automatic wire stripping pliers -> 1 unit
			Self-adjusting Automatic Wire Stripper/Cutting Pliers for wire stripping, cutting, crimping, and installing TAB Terminal
96	1	pc	HAIER HSU-18NSV13(DC) Board
			PCB NO.A 500201 - 100Q;
97	1	pc	Hard Drive (2 TB)
98	1	unit	Tablet 10.9", 64GB, Wifi + Cellular
			▣64GB Storage Capacity
			▣A14 Bionic chip with 64-bit architecture, Neural Engine
			▣10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
			▣2360-by-1640-pixel resolution at 264 pixels per inch (ppi)
			▣Wide color display (P3)
			▣True Tone display
			▣Fingerprint-resistant oleophobic coating
			▣Fully laminated display
			▣Antireflective coating
			▣12MP Wide camera
			▣f/1.8 aperture
			▣Five-element lens
			▣Hybrid IR filter
			▣4K video recording at 24 fps, 30 fps, or 60 fps

			<ul style="list-style-type: none"> ☑1080p HD video recording at 30 fps or 60 fps ☑Slo-mo video support for 1080p at 120 fps or 240 fps ☑7MP photos ☑f/2.2 aperture ☑1080p HD video recording at 60 fps ☑Wide color capture for photos and Live Photos ☑Smart HDR ☑Stereo speakers ☑Dual microphones for calls, video recording, and audio recording ☑802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO ☑UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz) ☑Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4 ☑Bluetooth 5.0 technology
99	5	pc	<p>Temperature-Humidity Data Logger</p> <ul style="list-style-type: none"> ☑Portable and hand-held ☑16000 data recording capacity. ☑Adjustable record interval: 10s~24hour ☑Multi-function LCD ☑Internal NTC temperature thermal sensor with optional external sensor ☑Data export in PDF/EXCEL via data management software ☑Selectable °F/°C temperature unit ☑Size: approx. 84 (L) x 44(W) x 20 (H) mm ☑Good quality ☑Durable
100	1	pc	<p>UPS, Smart UPS, 2000VA</p> <ul style="list-style-type: none"> ☑Max Configurable Power (Watts): 1.6kWatts / 2.0kVA ☑Output Voltage Note: Configurable for 220 : 230 or 240 nominal output voltage ☑Efficiency at Full Load: 88.0 % ☑Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Sync to mains ☑Other Output Voltages: 220 V, 240 V\ ☑Load Crest Factor: 3 : 1 ☑Topology: Double conversion online ☑Input frequency: 40 - 70 Hz ☑Input voltage range for main operations: 110 - 285 Adjustable (half load), 160 - 280V ☑Number of Power Cords: 1 ☑Efficiency at Full Load: 88.0 % ☑Other Input Voltages: 220 V, 240 V ☑Waveform type: Sine wave

			☑Bypass: Internal bypass (automatic and manual)
			☑Battery type: Lead-acid battery
			☑Typical recharge time: 4hour(s)
			☑Battery Charge Power (Watts): 76 Watts
			☑Interface Port(s): DB-9 RS-232, USB
			☑Control panel: Multifunction LCD status and control console
			☑Audible Alarm: Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
			☑Surge energy rating: 600Joules
101	1	lot	Various Electronic Components and Supplies
			HDMI Cable -> 10 units
			10 meters
			830 breadboard set electronic component basic starter kit with breadboard cable resistor capacitor led potentiometer -> 20 units
			1 power supply
			1 830-point breadboard
			65 pcs jumper wires
			140 pcs solderless jumper wires
			20 pcs female-to-male dupont wire
			2 pcs pin header (40 pin)
			1 precision potentiometer
			2 photoresistors
			1 thermistor
			5 pcs rectifier diode (1N40007)
			5 pcs NPN transistor (PN2222)
			1 IC 4N35
			1 IC 74HC595
			1 active buzzer
			1 passive buzzer
			10 pcs button (small)
			10 pcs 22pF ceramic capacitor
			10 pcs 104 ceramic capacitor
			5 pcs electrolytic capacitor (10uF, 50V)
			5 pcs electrolytic capacitor (100uF, 50V)
			10 pcs white LED
			10 pcs yellow LED
			10 pcs blue LED
			10 pcs green LED
			10 pcs red LED
			10 pcs RGB LED
			10 pcs 10R resistor
			10 pcs 100R resistor
			10 pcs 220R resistor
			10 pcs 330R resistor
			10 pcs 1K resistor
			10 pcs 2K resistor

			10 pcs 5K1 resistor
			10 pcs 10K resistor
			10 pcs 10K resistor
			10 pcs 1M resistor
			Single-Sided Copper Clad Board FR4 With 35µm Copper Thick, 200 x 300 x 1.6mm -> 2 units
			PCB Developing Kit with Transfer Film -> 1 unit
			Non-Corrosive Soldering Paste (used for welding and desoldering) -> 1 unit
			Soldering Iron -> 6 units
			Mini Soldering Iron with Adjustable Temperature, 60W
			Soldering Iron Stand -> 6 units
			Stainless Steel spiral, 90mm long
			Desoldering Pump -> 2 units
			Replaceable and Self Cleaning tip
			Sealed vacuum chamber
			Microcontroller -> 10 units
			microcontroller board (ATmega328P based)
			14 digital inputs/outputs (six of which can be used as PWM outputs)
			six analog inputs
			has a 16MHz ceramic resonator
			has a USB-C connector
			has a reset button
			CIRCUIT OPERATING VOLTAGE: 5V
			INPUT VOLTAGE (LIMIT): 6-12V
			BATTERY CONNECTOR: None.
			DC CURRENT PER: I/O PIN 20 mA
			DC CURRENT FOR: 3.3V PIN 50 mA
			MAIN PROCESSOR: ATmega328P 16 MHz
			USB-SERIAL PROCESSOR: ATmega16U2 16 MHz
			MEMORY: ATMEGA328P 2KB SRAM, 32KB FLASH, 1KB EEPROM
102	1	unit	Wifi Access Point (Existing fleet of VSU Access Points)
			UAP-nanoHD
			Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")
			Weight: 300 g (10.6 oz)
			With Mounting Kits: 315 g (11.1 oz)
			Networking Interface: (1) 10/100/1000 Ethernet Port
			Buttons: Reset
			Power Method: 802.3af PoE
			Power Supply: UniFi Switch (PoE)
			Power Save: Supported
			Beamforming: Supported
			Maximum Power Consumption: 10.5W
			Supported Voltage Range: 44 to 57VDC
			TX Power

			2.4 GHz: 23 dBm
			5 GHz: 26 dBm
			MIMO
			2.4 GHz: 2x2
			5 GHz: 4x4
			Radio Rates
			2.4 GHz: 300 Mbps
			5 GHz: 1733 Mbps
			Antennas
			2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each
			5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each
			Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2
			Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF
			BSSID: 8 per Radio
			Mounting: Wall/Ceiling (Kits Included)
			Operating Temperature: -10 to 70 C (14 to 158 F)
			Operating Humidity: 5 to 95% Noncondensing
			Certifications: CE, FCC, IC
			Advanced Traffic Management
			VLAN: 802.1Q
			Advanced QoS: Per-User Rate Limiting
			Guest Traffic Isolation: Supported
			WMM: Voice, Video, Best Effort, and Background
			Concurrent Clients: 200+
			Supported Data Rates (Mbps)
			Standard Data Rates
			802.11a 6,9,12,18,24,36,48,54 Mbps
			802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)
			802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)
			58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)
			802.11b 1, 2, 5.5, 11 Mbps
			802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps
103	2	unit	Large-Diaphragm Cardioid Condenser Microphone
			For Voice, Instruments, Drums, and Cabs
			<i>Cardioid Pattern Lessens Room Noise</i>
			<i>Switchable -10 dB Pad Hinders Distortion</i>
			<i>Low-Cut Filter Limits Bass Buildup</i>
			<i>Shockmount Inhibits Vibration Noise</i>
			<i>Large-Diaphragm True Condenser Capsule</i>
			<i>Handles Immense Sound Pressure Levels</i>
			<i>Includes Protective Case and Dust Cover</i>
			<i>XLR Output for Hookup to Mic Preamp</i>
			<i>Operates on 48V Phantom Power</i>
			Microphone
			<i>Form Factor: Large Diaphragm Mic / Stand/Boom Mount</i>

			<i>Intended Sound Sources: Vocals, Speech/Voice Over, Instrument</i>
			<i>Sound Field: Mono</i>
			<i>Operating Principle: Pressure Gradient</i>
			<i>Capsule: Condenser</i>
			<i>Polar Pattern: Cardioid</i>
			Performance
			<i>Frequency Range: 20 Hz to 20 kHz</i>
			<i>Maximum SPL: 145 dB SPL (1 kHz, 1% THD)</i>
			<i>155 dB SPL (1 kHz, 1% THD, with Pad)</i>
			<i>Impedance: 100 Ohms</i>
			<i>Sensitivity: -32 dBV/Pa</i>
			<i>Dynamic Range: 133 dB (1 kHz, at Max SPL)</i>
			<i>Signal-to-Noise Ratio: 82 dB (1 kHz)</i>
			<i>Equivalent Noise Level: 12 dB SPL A-Weighted</i>
			Power
			<i>Operating Voltage: 48 V (Phantom Power)</i>
			<i>Operating Current Consumption: 4.2 mA</i>
			Physical
			<i>Color: Black</i>
			<i>Mounting: Shockmount (Included)</i>
			<i>Included Case: Hard Case, Mic Sock</i>
			<i>Included Filters: None</i>
			<i>Dimensions: \varnothing: 2.1 x L: 6.69" / \varnothing: 5.3 x L: 16.99 cm</i>
			<i>Weight: 12.7 oz / 360 g</i>
104	4	units	SDI to HDMI Converter Bidirectional
			<i>"Video Inputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)</i>
			<i>Audio Inputs: None</i>
			<i>Video Outputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)</i>
			<i>Audio Outputs: None</i>
			<i>Other I/O: 1 x USB-C Input</i>
			<i>Expansion Slots: None</i>
			<i>Embedded Audio: HDMI/SDI</i>
			<i>Power I/O: 1 x USB-C (4.4 to 5.2 VDC) Input</i>
			<i>Power Consumption: 2.5 W"</i>
105	2	sets	Headset, Over Ear, wired
			☑ <i>Wearing Type: Over-ear</i>
			☑ <i>Microphone: Yes</i>
			☑ <i>Volume Control: Yes</i>
			☑ <i>One Key Mute Button: Yes</i>
			☑ <i>Microphone: Omnidirectional</i>
			☑ <i>Plug Type: 3.5mm</i>
			☑ <i>Speaker Diameter: 50mm</i>
			☑ <i>Receive Sensitivity: 101dB</i>
			☑ <i>Impedance: 32Ω</i>
			☑ <i>Frequency Response: 20-20kHz</i>

106	1	pc	Speaker, for PC, 2.1 (Speaker with Subwoofer)
			☐Power Output : rms 4.5w×2 sw: 12w
			☐Signal to noise ratio : 80dba
			☐Frequency Response : 80hz~20khz (±6db)
			☐R/I: 300±50mv sw: 100 ± 20mv
			☐Aux/USB/SD card
			☐Bass driver :4 inch
			☐Treble driver :2 3/4 inch
107	1	pcs	Web Camera for Laptop and Desktop
			☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.
			☐With clips for laptops and desktops.
			☐Sensor pixels: 2 million
			☐Interface: USB 2.0
			☐Frame rate: 30 FPS
			☐Image sensor: CMOS
			☐Brightness/color: automatically adjusts
☐Additional features: built-in microphone			
108	2	units	System Unit (CPU), Core i7 8GB RAM
			CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher
			SDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher
			RAM: at least 8GB (8GBx1) DDR4 2666MHz or higher
			Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher
			ATX casing with 700W PSU
			With genuine Microsoft Office license.
			OS: at least Windows 10
109	2	units	VOIP Phone
			☐1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty
			☐IPv4 (RFC 791)Integrated web server provides web-based administration and configuration
			☐Telephone keypad configuration via display menu/navigation
			☐Automated provisioning and upgrade via HTTPS, HTTP, TFTP
			☐Asynchronous notification of upgrade availability via NOTIFY
			☐Nonintrusive in-service upgrades
			☐Report generation and event logging
			☐Statistics transmitted in BYE message
			☐Syslog and debug server records: configurable per line
			☐Address Resolution Protocol (ARP)
			☐DNS: A record (RFC 1706), SRV record (RFC 2782)
			☐Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)
☐Internet Control Message Protocol (ICMP) (RFC 792)			

			☐TCP (RFC 793)
			☐User Datagram Protocol (UDP) (RFC 768)
			☐Real-Time Transport Protocol (RTP) (RFC 1889, 1890)
			☐Real-Time Control Protocol (RTCP) (RFC 1889)
			☐Differentiated Services (DiffServ) (RFC 2475)
			☐Type of service (ToS) (RFC 791, 1349)
			☐VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)
			☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)
			☐SPCP with the Cisco Unified Communications 500 Series
			☐SIP proxy redundancy: dynamic via DNS SRV, A records
			☐Reregistration with primary SIP proxy server
			☐SIP support in NAT networks (including STUN)
			☐SIPFrag (RFC 3420)
			☐Secure (encrypted) calling via SRTP
			☐Codec name assignment
			☐Voice algorithms:
			☐G.711 (A-law and μ -law)
			☐G.726 (16/24/32/40 kbps)
			☐G.729 A
			☐G.722
			☐Dynamic payload support
			☐Adjustable audio frames per packet
			☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
			☐Flexible dial plan support with interdigit timers
			☐IP address/URI dialing support
			☐Call progress tone generation
			☐Jitter buffer: adaptive
			☐Frame loss concealment
			☐Comfort Noise Generation (CNG)
			☐Voice activity detection (VAD) with silence suppression
			☐Attenuation/gain adjustments
			☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE
			☐Caller ID support (name and number)
			☐Third-party call control (RFC 3725)
			☐Should be compatible with existing fleet of VSU IP Phones
110	3	pcs	Laptop Cooling Pad 14"
			1.one 14cm big LED light fan
			2.metal mesh material
			3. Powered by USB cable from laptop
			4.Support size:12"-14"laptop
			5.Color:black,
111	3	unit	Rechargeable Wireless Keyboard and Mouse Set

			☐Rechargeable Office Wireless Keyboard and Mouse Set
			☐Size: 284*121*16.mm
			☐Weight: 280g
			☐Connection method: USB receiver/Bluetooth
			Rebidding - VSU-GOODS-23-35
112	1	pc	Coffee Maker Machine, Touch-Screen 10-cups Programmable with Glass Carafe, Stainless Steel
113	1	unit	Colored Digital Photocopier
			Full color digital copier with network printing, color scanning and network fax
			Copy and print speed of 30 copies per minute, A4
			7-inch color touch screen panel
			CPU: dual core 1.2 GHz
			Paper size from A6R to Legal Size
			Standard memory capacity is 1GB, max 3GB Plus 128GB SSD option
			Paper capacity of 250 sheets cassette and 100 sheets multipurpose tray
			Built-in 75-sheets reversing document processor and stackless duplex unit
			Compatible with windows, makintosh and linux
			Scan to SMB/E-mail/FTP/USB host/Box, Network Twain scan and WSDScan
			Low power consumption Copying: 512w or less, Sleep mode: 0.6W
			Super G3Fax, Stand-alone network connection
			Maintenance Kit of 200,000 copies
			With lifetime service
114	30	unit	Cordless Kettle
			Electric Glass Kettle, Cordless
			HWK-118GI
			Power: 230V - 60Hz, 2000W
			Capacity: 1.8L
			360 degree rotary base, easy to use with high borosilicate glass body,
			Durable and stain resistant blue LED light indication when boiling Concealed stainless steel
			heating element Automatic one button cover starter boiling dry protection Automatically
			turns off when water boiled.
115	1	unit	Stencil Digital Duplicator Machine
			Print Speed: 60 - 90 Sheets Per Minute (2 Steps)
			Resolution: 300 x 300 dpi
			Printing Process: Fully Automatic One Drum Stencil System
			Minimum Print Paper Size: 90 x 140 mm
			Maximum Print Paper Size: 275 x 395 mm
			Print Paper Weight: 35.0-127.9 g/m2

			Print Area: Maximum 250 x 355 mm
			First Print Speed: Less Than 40 Seconds
			Features:
			Auto background correction, auto cycle, photo/letter mode, tint mode, SP mode (for technical service use only), combine two originals, spot colour printing with optional colour drum units.
			Options
			USB controller printer unit type VC-20
			Interface board type 20
			Colour drum type 20 (B4)
			Cabinet
			Consumables
			Priport™ master type (100 masters per roll, B4)
			Priport™ black ink type (500 ml)
			Digital Duplicator colour ink type II (600 ml): red, blue, yellow, green, purple,
			navy, brown, maroon, orange, teal
			CM ink (custom-made colours, 500 ml)
			Specifications:
			Image modes: Letter mode, Photo mode, Photo/Letter mode
			Image position: Vertical: ± 10 mm , Horizontal: ± 10 mm
			Reproduction ratios: Pre-set enlargement: 115, 122, Pre-set reduction: 71, 82, 87, 93%
			Zoom: No
			Colour printing: By replacing colour, drum
			Paper feed/delivery table: 500 sheets (80 g/m ²)
			Power source: 220-240 V, 50 – 60 Hz
			Power consumption
			Maximum: Master making: less than
			175 W
			Printing: Less than 175 W (at 90 sheets per minute)
			Standby: 35 W
			Dimensions (W x D x H): 1,232 x 672 x 519 mm
			Weight: 55kg
116	4	unit	Microwave Oven, 20L
			20-Liter
			220V
			Electronic Control
			LCD Display
			700w microwave power
			6 autocook functions
			Reheat and defrost capacity
			Dimension: (h:w:d) 10.35 x 18 x 14 in
			Warranty: One year on service, 2 years on parts
117	1	unit	Paper shredder machine, heavy duty
			■Shred Type: Cross Cut
			■Maximum Sheet capacity(70gsm) : 10 Sheets
			■Waste Container capacity: 21 Liters

			☑Power Source: 220 - 240 VAC	
118	2	unit	Washing Machine Heavy DutyWasher	
			15 kg. IEC Rated Capacity U.S Heavy Duty Washer	
			11 Wash Cycles	
			Quick Wash Cycle	
			Whites Cycle	
			Delicate Cycle	
			6th Sense Technology	
			Dual Action Agitator	
			Fabcon Dispenser	
			Liquid Bleach Dispenser	
			Mechanical Control panel	
			Deep Water Wash System	
			Soil Level Selection	
			Wash Temperature Selection	
			Load Size Selection	
			Extra Rinse Selection	
			Galvanized Heavy Duty Body	
			White Porcelain Tub	
			Child Lid Lock	
			Color: White	
			Dimension (h:w:d) 109.22 : 69:85 : 68.58 cm	

Section VII. Technical Specifications

Technical Specifications

Item #	Qty	Unit	Description	Statement of Compliance
1	2	pc	1TB, Hard disk Drive, 7200rpm, for desktop	[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
			☐11TB	
			☐SATA 6Gb/s interface optimizes burst performance;	
			☐64MB Cache	
			☐Average Data Rate, Read/Write : 156	
			☐Max Sustained Data Rate, OD Read (MB/s) : 210	
			☐Cache, Multisegmented (MB) : 64	
2	1	pc	3D Printer Filament (ABS)	
			☐Mass: 1 KG (approximately 2.20 lbs) Spool	
			☐Filament Diameter: 1.75mm (Dimensional Accuracy +/- 0.03m	
			☐Extrusion/Nozzle Temperature: 210°C - 240°C (410°F - 464°F)	
			☐Spool Diameter: 7.88"	
			☐Spool Width: 2.69"	
			☐Spool Hub Hole Diameter: 2.20"	
			☐Color: Black	
			☐Material Type: ABS	
3	1	set	3D Printer Filament (TPU)	
			☐Color: black	
			☐Item Diameter: 1.75 millimeters	
			☐Item weight: not less than 15.7 ounces	
			☐Material: Rep-Flex-Tpu- Vacuumed Sealed With Desiccant	
			☐Outside Diameter: 1.75 millimeters (+/- 0.05mm)	
			☐Recommended Extrusion/Nozzle Temp: 195 - 230 degree celsius	
			☐Recommended Platform Temperature: 40 - 60 degree celsius	
			☐Packing List:TPU Flexible Filament 1.75mm 250g(vacuum sealed)	
4	1	pc	3D Printer PLA filament	
			☐Recommended Extrusion/Nozzle Temp: 90°C - 220°C (374 °F~ 428 °F)	
			☐Heated Bed Temp: 25°C - 60°C (77 °F~ 140 °F)	
			☐Filaments Diameter and Accuracy: 1.75 mm +/- 0.05	
			☐Filaments Net Weight: 1 kg (2.2 lbs) / Spool	
			☐Build Surface: 200 mm x 200 mm (7.88" x 7.88")	
			☐Type of filament: PLA	
5	1	unit	Android Smartphone	
			☐Specification:	
			—Chipset: Mediatek Helio G80 (12 nm)	
			—Operating system: Android 10	
			—ROM: at least 32 GB	
			—RAM: at least 3GB	

			—Screen Type: IPS LCD, at least 400 nits
			—Camera Front : at least 8 MP
			—Primary(Back) Camera Resolution at least 13MP
			—Resolution: at least 1080 x 2340 pixels
			—SIM: Dual SIM (Nano-SIM, dual stand-by)
6	1	unit	Apple USB-C Digital AV Multiport Adapter Compatible with Mac and iPad
			Connections: HDMI, USB, USB-C
			Compatible iPad Models: iPad Pro 12.9-inch (5th generation), iPad Pro 12.9-inch (4th generation), iPad Pro 12.9-inch
			Compatible Mac Models: MacBook Air (M2, 2022), MacBook Air (M1, 2020), MacBook Air (Retina, 13-inch, 2020), MacBook Air (Retina, 13-inch, 2018 - 2019), MacBook Pro (13-inch, M2, 2022), MacBook Pro (13-inch, M1, 2020)
			Genuine Apple Accessory
7	1	pc	Camera with 28-70 mm Zoom Lens
			Product Specification:
			Lens
			Lens Mount: E-mount
			Image Sensor
			Aspect Ratio: 3:2
			Number Of Pixels (Effective): Approx. 24.2 megapixels
			Number of Pixels (total): Approx. 25.3 megapixels
			Sensor Type: 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor
			Anti-Dust System: Charge protection coating on optical filter and image sensor shift mechanism
			Recording (still images)
			Image Size (pixels) [16:9]: 35 mm full frame L: 6000 x 3376 (20 M), M: 3936 x 2216 (8.7 M), S: 3008 x 1688 (5.1 M), APS-C L: 3936 x 2216 (8.7 M), M: 3008 x 1688 (5.1 M), S: 1968 x 1112 (2.2 M)
			Image Size (pixels) [Sweep Panorama]
			Picture Effect: 8 types: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key, Rich-tone Monochrome
			Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1–6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])
			Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth,

			<i>Detail, Copy, Reset</i>
			<i>Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1-6 EV, 1.0 EV step))</i>
			<i>Color Space: sRGB standard (with sYCC gamut) and Adobe RGB standard, compatible with TRILUMINOS Color</i>
			<i>14bit RAW: Yes</i>
			<i>Uncompressed RAW: Yes</i>
			<i>Recording (movie)</i>
			<i>Recording Format: XAVC S, AVCHD format Ver. 2.0 compliant</i>
			<i>Color Space: xvYCC standard (x.v.Color when connected via HDMI cable) compatible with TRILUMINOS Color</i>
			<i>Picture Effect: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color (R/G/B/Y), High Contrast Monochrome, Toy Camera (Normal/Cool/Warm/Green/Magenta), Soft High-key</i>
			<i>Creative Style: Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn leaves, Black & White, Sepia, Style Box (1-6), (Contrast [-3 to +3 steps], Saturation [-3 to +3 steps], Sharpness [-3 to +3 steps])</i>
			<i>Picture Profile: Yes (Off/PP1-PP10) Parameters: Black level, Gamma (Movie, Still, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</i>
			<i>Image Size (pixels), NTSC: XAVC S 4K: 3840 x 2160 (30p, 100 M), 3840 x 2160 (24p, 100 M), 3840 x 2160 (30p, 60 M), 3840 x 2160 (24p, 60 M), XAVC S HD: 1920 x 1080 (120p, 100 M), 1920 x 1080 (120p, 60 M), 1920 x 1080 (60p, 50 M), 1920 x 1080 (30p, 50 M), 1920 x 1080 (24p, 50 M), 1920 x 1080 (60p, 25 M), 1920 x 1080 (30p, 16 M), AVCHD: 1920 x 1080 (60i, 24 M, FX), 1920 x 1080 (60i, 17 M, FH)</i>
			<i>Image Size (pixels), PAL: XAVC S 4K: 3840 x 2160 (25p, 100 M), 3840 x 2160 (25p, 60 M), XAVC S HD: 1920 x 1080 (100p, 100 M), 1920 x 1080 (100p, 60 M), 1920 x 1080 (50p, 50 M), 1920 x 1080 (25p, 50 M), AVCHD: 1920 x 1080 (50i, 24 M, FX), 1920 x 1080 (50i, 17 M, FH)</i>
			<i>Slow and quick motion (shooting frame rate) : NTSC mode: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, PAL mode: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</i>
			<i>Slow and quick motion (recording frame rate and image size) : NTSC mode: 1920x1080 (60p, 30p, 24p), PAL mode: 1920x1080 (50p, 25p)</i>
			<i>Movie Functions: Audio Level Display, Audio Rec Level,</i>

			<i>PAL/NTSC Selector, Yes (1280 x 720 (Approx.9 Mbps)), TC/UB (TC Preset/UB Preset/TC Format/TC Run/TC Make/UB Time Rec), Auto Slow Shutter, REC Control, Clean HDMI Info. (ON/OFF selectable), Gamma Disp. Assist</i>
			<i>Clean HDMI output: 3840 x 2160 (25p), 1920 x 1080 (50p), 1920 x 1080 (50i), 1920 x 1080 (24p), 1920 x 1080 (60p), 1920 x 1080 (60i), 3840 x 2160 (30p), 3840 x 2160 (24p), YCbCr 4:2:2 8-bit / RGB 8-bit</i>
			<i>Recording System</i>
			<i>Location information Link from smartphone: Yes</i>
			<i>Media: Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick Micro (M2), SD memory card, SDHC memory card (UHS-I/II compliant), SDXC memory card (UHS-I/II compliant), microSD memory card, microSDHC memory card, microSDXC memory card</i>
			<i>Memory Card Slot: SLOT1: Slot for SD (UHS-I/II compliant) memory card, SLOT2: Multi slot for Memory Stick Duo/SD (UHS-I compliant) memory card</i>
			<i>Recording mode on 2 memory cards: Simult. Rec (Still), Simult. Rec (Movie), Simult. Rec (Still/Movie), Sort (JPEG/RAW), Sort (Still/Movie), Auto Switch Media (On/Off), Copy</i>
			<i>Noise Reduction</i>
			<i>Noise Reduction: Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low/Off</i>
			<i>Multi Frame NR</i>
			<i>White balance</i>
			<i>White Balance Modes: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Warm White / Cool White / Day White / Daylight / Flash / Underwater / Color Temperature 2500 to 9900K and color filter G7 to M7 (57-step), A7 to B7 (29-step) / Custom</i>
			<i>AWB Micro Adjustment: Yes G7 to M7, 57-step A7 to B7, 29-step</i>
			<i>Priority Set in AWB: Yes</i>
			<i>Bracketing: 3 frames, H/L selectable</i>
			<i>Focus</i>
			<i>Focus Type: Fast Hybrid AF (phase-detection AF/contrast-detection AF)2</i>
			<i>Focus Sensor: Exmor R® CMOS sensor</i>
			<i>Focus Point: 35 mm full frame: 693 points (phase-detection AF), APS-C mode with full frame lens: 299 points (phase-detection AF), with APS-C lens: 221 points (phase-detection AF) / 425 points (contrast-detection AF)</i>
			<i>Focus Sensitivity Range: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)</i>
			<i>Focus Mode: AF-A (Automatic AF), AF-S (Single-shot</i>

			AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
			Focus Area: Wide (693 points (phase-detection AF), 425 points (contrast-detection AF)) / Zone / Center / Flexible Spot (S/M/L) / Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/M/L)/Expanded Flexible Spot)
			Other Features: Eye-start AF (only with LA-EA2 or LA-EA4 attached (sold separately)), Lock-on AF, Eye AF, AF micro adjustment with LA-EA2 or LA-EA4 (sold separately), Predictive control, Focus lock, AF Track Sens, Swt.V/H AF Area, AF Area Regist.
			AF Illuminator: Yes (with built-in LED type)
			AF Illuminator range: Approx. 0.3–3.0 m (with FE 28–70 mm F3.5–5.6 OSS attached)
			Focus type with LA-EA3 (Sold separately): selectable (phase-detection, contrast-detection)
			Exposure
			Metering Type: 1200-zone evaluative metering
			Viewfinder
			Viewfinder Type: 1.3 cm (0.5 type) electronic viewfinder (color), XGA OLED
			Number of Dots: 2,359,296 dots
			Brightness Control (Viewfinder): Auto/Manual (5 steps between -2 and +2)
			Color Temperature Control: Manual (5 steps)
			Field Coverage: 100%
			Magnification: approx. 0.78 x (with 50mm lens at infinity, -1m-1)
			Diopter Adjustment: -4.0 to +3.0 m-1
			Eye Point: Approx. 23 mm from the eyepiece lens, 18.5 mm from the eyepiece frame at -1 m-1 (CIPA standard)
			Finder Frame Rate Selection
			Display Contents: Graphic Display, Display All Info, No Display Info, Digital Level Gauge, Histogram
			LCD Screen
			Monitor Type: 7.5 cm (3.0-type) type TFT
			Number of Dots: 921,600 dots
			Touch Panel: Yes
			Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode
			Adjustable Angle: Up by approx. 107 degrees, Down by approx. 41 degrees
			Display Selector (Finder/LCD): Yes (Auto/Manual)
			Real-time Image Adjustment Display (LCD): On/Off
			Quick Navi: Yes
			Focus Magnifier: Yes (35 mm full frame: 5.9x, 11.7x, APS-C: 3.8x, 7.7x)
			Zebra: Yes (selectable level + range or lower limit as

			<i>custom setting)</i>
			<i>Peaking MF: Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)</i>
			<i>Others: Grid Line (Rule of 3rds Grid/Square Grid/Diag. + Square Grid/Off), Movie Marker (Center/Aspect/Safety Zone/Guideframe)</i>
			<i>Display Content: Graphic Display, Display All Info, No Disp. Info, Digital Level Gauge, Histogram, For viewfinder, Monitor Off</i>
			<i>Other Features</i>
			<i>PlayMemories Camera Apps™</i>
			<i>Clear Image Zoom: Still images: Approx. 2x, Movies: Approx. 1.5x (4K), Approx. 2x (HD)</i>
			<i>Digital Zoom: Smart zoom (Still images): 35 mm full frame: M: approx 1.5x, S: approx 2x, APS-C: M: approx 1.3x, S: approx 2x, Digital zoom (Still images): 35 mm full frame: L: approx 4x, M: approx 6.1x, S: approx 8x, APS-C: L: approx 4x, M: approx 5.2x, S: approx 8x, Digital zoom (Movie): 35 mm full frame: approx 4x, APS-C: approx 4x</i>
			<i>Face Detection: Modes: Face Priority in AF (On/Off), Face Priority in Multi Metering (On/Off), Regist. Faces Priority (On/Off), Face registration, Max. number of detectable: 8</i>
			<i>Self-Portrait Self-Timer</i>
			<i>Others: Touch Focus: Yes (Available with LCD monitor or Viewfinder operation), ISO AUTO Min. SS, Bright Monitoring, Set File Name, FTP Transfer Func., Help guide, Area Setting, Shop Front Mode, Video Light Mode, Zoom Ring Rotate</i>
			<i>Eye-Fi ready</i>
			<i>Shutter</i>
			<i>Type: Electronically-controlled, vertical-traverse, focal-plane type</i>
			<i>Shutter Type</i>
			<i>Shutter Speed: Still images: 1/8000 to 30 sec, Bulb, Movies: 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode)</i>
			<i>Flash Sync. Speed: 1/250 sec.3</i>
			<i>Electronic Front Curtain Shutter: Yes (ON/OFF)</i>
			<i>Silent Shooting: Yes (ON/OFF)</i>
			<i>Image Stabilization</i>
			<i>Type: Image Sensor-Shift mechanism with 5-axis compensation (compensation depends on lens specifications)</i>
			<i>Compensation Effect: 5.0 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)</i>
			<i>Flash Control</i>

			<i>Control: Pre-flash TTL</i>
			<i>Flash Compensation: +/-3.0 EV (switchable between 1/3 and 1/2 EV steps)\</i>
			<i>Flash Bracketing: 3/5/9 frames selectable. With 3 or 5 frames, in 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, with 9 frames, in 1/3, 1/2, 2/3, 1.0 EV increments.</i>
			<i>Flash Modes: Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable), Wireless4, Hi-speed sync.4</i>
			<i>External Flash Compatibility: Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adapter for flash compatible with Auto-lock accessory shoe</i>
			<i>FE Level Lock: Yes</i>
			<i>Wireless Control: Yes (Light signal: Available with Fill-flash, Slow Sync., Hi-speed sync. /Radio signal: Available with Fill-flash, Rear Sync., Slow Sync., Hi-speed sync.)</i>
			<i>Drive</i>
			<i>Drive Modes: Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket</i>
			<i>Continuous Drive Speed (approx. max.): Continuous shooting: Hi+: max. 10 fps, Hi: max. 8 fps, Mid: max. 6fps, Lo: max. 3 fps 5</i>
			<i>No. of recordable frames (approx.): JPEG Extra fine L: 163 frames, JPEG Fine L: 172 frames, JPEG Standard L: approx. 177 frames, RAW: 89 frames, RAW & JPG: 79 frames, RAW (Uncompressed): 40 frames, RAW (Uncompressed) & JPG: 36 frames 5</i>
			<i>Self-Timer: 10 sec. delay/5 sec. delay/2 sec. delay/Continuous self-timer (3 frames after 10 sec. delay/5 frames after 10 sec. delay/3 frames after 5 sec. delay/5 frames after 5 sec. delay/3 frames after 2 sec. delay/5 frames after 2 sec. delay)/Bracketing self-timer</i>
			<i>Playback</i>
			<i>Photo Capture: Yes</i>
			<i>Modes: Single (with or without shooting information Y RGB histogram & highlight/shadow warning), 9/25-frame index view, Enlarged display mode (L: 18.8x, M: 12.3x, S: 9.4x), Auto Review (10/5/2 sec, Off), Image orientation (Auto/Manual/Off selectable), Slideshow, Folder selection (Date/ Still/ AVCHD/XAVC S HD/XAVC S 4K), Forward/Rewind (movie), Delete, Protect, Rating, Disp Cont Shoot Grp</i>
			<i>Interface</i>
			<i>PC Interface: Mass-storage, MTP, PC remote</i>
			<i>Multi/micro USB terminal: Yes</i>
			<i>USB Type-C® Terminal: Yes (SuperSpeed USB (USB</i>

			3.1 Gen 1) compatible)
			NFC: Yes (NFC forum Type 3 Tag compatible), One-touch remote, One-touch sharing
			Wireless LAN (Built-In): Wi-Fi Compatible, IEEE 802.11b/g/n (2.4 GHz band), View on Smartphone, Remote control via Smartphone, Send to Computer, View on TV
			HD Output: HDMI micro connector (Type-D), BRAVIA Sync (Control for HDMI), PhotoTV HD, 4K movie output/4K still image PB
			Bluetooth®: Yes (Bluetooth Standard Ver. 4.1 (2.4 GHz band))
			Auto-lock Accessory Shoe
			Multi Interface Shoe: Yes
			Smart Accessory Terminal 2
			Mic Terminal: Yes (3.5 mm Stereo minijack)
			DC IN Terminal
			Sync Terminal
			Headphone Terminal: Yes (3.5 mm Stereo minijack)
			Vertical Grip Connector: Yes
			PC Remote: Yes
			LAN Terminal
			Print
			Compatible Standards: Exif Print, Print Image Matching III, DPOF setting
			Custom function
			Type: Custom key settings, Programmable Setting (Body 2 sets /memory card 4 sets), My Menu, Reg Cust Shoot Set
			Lens Compensation
			Setting: Peripheral Shading, Chromatic Aberration, Distortion
			Power
			Supplied Battery: One rechargeable battery pack NP-FZ100
			Battery Life (Still Images): Approx. 610 shots (Viewfinder) / approx. 710 shots (LCD monitor) (CIPA standard) ⁸
			Battery Life (Movie, actual recording): Approx. 115 min (Viewfinder) / Approx. 125 min (LCD monitor) (CIPA standard) ⁹ ¹⁰
			Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard) ⁹ ¹¹
			Internal Battery Charge: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)
			Power consumption with Viewfinder: Still images: approx. 3.2 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.9 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)

			<i>Power consumption with LCD screen: Still images: approx. 2.8 W (with FE 28-70 mm F3.5-5.6 OSS lens attached), Movies: approx. 4.7 W (with FE 28-70 mm F3.5-5.6 OSS lens attached)</i>
			<i>USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)</i>
			<i>Size & Weight</i>
			<i>Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)</i>
			<i>Dimensions (W x H x D): Approx. 126.9 mm x 95.6 mm x 73.7 mm, Approx. 126.9 mm x 95.6 mm x 62.7 mm (from grip to monitor)/Approx. 5 x 3 7/8 x 3 inches, Approx. 5 x 3 7/8 x 2 1/2 inches (from grip to monitor)</i>
			<i>Audio</i>
			<i>Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)</i>
			<i>Speaker: Built-in, monaural</i>
			<i>Others</i>
			<i>Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C</i>
8	2	uni t	Compact Document Scanner
			<i>25ppm/50ipm, 2-sided colour scan speed</i>
			<i>20 sheets Automatic Document Feeder (ADF)</i>
			<i>Portable with micro-B USB3.0 Bus power</i>
			<i>Dedicated plastic ID card slot</i>
			<i>Scan to PC and USB host</i>
			<i>Scanning Speed: 25ppm (A4) 2-sided colour scan speed</i>
			<i>Document Size - Multiple Papers - Width: 51 mm to 215.9 mm</i>
			<i>Document Size - Multiple Papers - Length: 70 mm to 863 mm</i>
			<i>Document Size - Single Papers - Width: 51 mm to 215.9 mm</i>
			<i>Document Size - Single Papers - Length: 70 mm to 863 mm</i>
			<i>Colour/Black: Yes/Yes</i>
			<i>Duplex Scan: Yes</i>
			<i>Color Depth - Input: 48-bit colour processing</i>
			<i>Color Depth - Output: 24-bit colour processing</i>
			<i>Resolution - Optical: Max 600 dpi x 600 dpi</i>
			<i>Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi</i>
			<i>Scanning Width: Max 216mm</i>
			<i>Grayscale: 256 levels</i>
			<i>Memory Capacity: SDRAM: 256 MB</i>
			<i>ADF: up to 20 sheets</i>
			<i>Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0</i>
9	1	uni t	Computer Printer

			<ul style="list-style-type: none"> ☐ Compact integrated tank design
			<ul style="list-style-type: none"> ☐ Print speeds up to 10.5ipm for black and 5.0ipm for colour
			<ul style="list-style-type: none"> ☐ Auto-duplex printing
			<ul style="list-style-type: none"> ☐ Wi-Fi & Wi-Fi Direct
			<ul style="list-style-type: none"> ☐ Borderless Printing up to A4 size
			<ul style="list-style-type: none"> ☐ Spill-free ink refilling
			<ul style="list-style-type: none"> ☐ Warranty of 2 years or 30,000 pages, whichever comes first
			<ul style="list-style-type: none"> ☐ Printer Type:
			<ul style="list-style-type: none"> ◀ Print, Scan, Copy
			<ul style="list-style-type: none"> ☐ Printing Technology:
			<ul style="list-style-type: none"> ☐ Print Method:
			<ul style="list-style-type: none"> ◀ On-demand inkjet (piezoelectric)
			<ul style="list-style-type: none"> ☐ Minimum Ink Droplet Volume:
			<ul style="list-style-type: none"> ◀ 3 pl
			<ul style="list-style-type: none"> ☐ Printer Language:
			<ul style="list-style-type: none"> ◀ ESC / P-R
			<ul style="list-style-type: none"> ☐ Print Direction:
			<ul style="list-style-type: none"> ◀ Bi-directional printing, Uni-directional printing
			<ul style="list-style-type: none"> ☐ Nozzle Configuration:
			<ul style="list-style-type: none"> ◀ 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)
			<ul style="list-style-type: none"> ☐ Maximum Resolution:
			<ul style="list-style-type: none"> ◀ 5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			<ul style="list-style-type: none"> ☐ Automatic 2-sided Printing:
			<ul style="list-style-type: none"> ◀ Yes (up to A4)
			<ul style="list-style-type: none"> ☐ Print Speed:
			<ul style="list-style-type: none"> ☐ Photo Default - 10 x 15 cm / 4 x 6 " *2:
			<ul style="list-style-type: none"> ◀ 1 Approx. 69 sec per photo (Border) *1
			<ul style="list-style-type: none"> ◀ Approx. 92 sec per photo (Borderless) *1
			<ul style="list-style-type: none"> ☐ Draft, A4 (Black / Colour):
			<ul style="list-style-type: none"> ◀ Up to 33 ppm / 15 ppm *1
			<ul style="list-style-type: none"> ☐ ISO 24734, A4 Simplex (Black / Colour):
			<ul style="list-style-type: none"> ◀ Up to 10.5 ipm / 5.0 ipm *1
			<ul style="list-style-type: none"> ☐ ISO 24734, A4 Duplex (Black / Colour):
			<ul style="list-style-type: none"> ◀ Up to 6.0 ipm / 4.0 ipm *1
			<ul style="list-style-type: none"> ☐ Copy Speed:
			<ul style="list-style-type: none"> ☐ Copy Quality:
			<ul style="list-style-type: none"> ◀ Draft / Standard / Best Quality
			<ul style="list-style-type: none"> ☐ Maximum Copies from Standalone:
			<ul style="list-style-type: none"> ◀ 99 copies
			<ul style="list-style-type: none"> ☐ Reduction / Enlargement:
			<ul style="list-style-type: none"> ◀ 25 - 400%, Auto Fit Function
			<ul style="list-style-type: none"> ☐ Maximum Copy Size:
			<ul style="list-style-type: none"> ◀ A4, Letter
			<ul style="list-style-type: none"> ☐ ISO 29183, A4 Simplex Flatbed (Black / Colour):

		◀ Up to 7.7 ipm / 3.8 ipm
		☑ Max Copy Resolution:0
		◀ 1440 x 720 dpi
		☑ Scan Function:
		☑ Scanner Type:
		◀ Flatbed colour image scanner
		☑ Sensor Type:
		◀ CIS
		☑ Optical Resolution:
		◀ 1200 x 2400 dpi
		☑ Maximum Scan Area:
		◀ 216 x 297 mm (8.5 x 11.7 ")
		☑ Scanner Bit Depth (Colour):
		◀ 48-bit input, 24-bit output
		☑ Scanner Bit Depth (Grayscale):
		◀ 16-bit input, 8-bit output
		☑ Scanner Bit Depth (Black & White):
		◀ 16-bit input, 1-bit output
		☑ Scan Speed:
		☑ Flatbed (Black / Colour):
		◀ 200 dpi: 11 sec / 200 dpi: 28 sec
		☑ Paper Handling:
		☑ Number of Paper Trays:
		◀ 1 (Paper Cassette)
		☑ Standard Paper Input Capacity:
		◀ 100 sheets, A4 Plain paper (80 g/m2)
		◀ 20 sheets, Premium Glossy Photo Paper
		☑ Output Capacity:
		◀ 30 sheets, A4 Plain Paper
		◀ 20 sheets, Premium Glossy Photo Paper
		☑ Maximum Paper Size:
		◀ 215.9 x 1200 mm (8.5 x 47.24 ")
		☑ Paper Feed Method:
		◀ Friction feed
		☑ Paper Size:
		◀ Legal, 8.5 x 13 ", Letter, A4, 195 x 270 mm, B5, A5, A6, 100 x 148 mm, B6, 5 x 7 ", 4 x 6 ", Envelopes #10, DL, C6
		☑ Print Margin:
		◀ 0 mm top, left, right, bottom via custom settings in printer driver (except plain paper) *3
		☑ Card Slot / USB Host Function:
		☑ Type of Direct Printing:
		◀ Memory Device
		☑ Supported Memory Cards:
		◀ SD Memory Card
		☑ Printer Software:
		☑ Operating System Compatibility:

			◀ Windows XP / XP Professional x 64 Edition / Vista / 7 / 8 / 8.1 / 10
			◀ Windows Server 2003 / 2008 / 2012 / 2016
			◀ Only printing and scanning functions are supported for Windows Server OS
			◀ Mac OS X 10.6.8 or later
			☑ Interface:
			☑ USB:
			◀ USB 2.0
			☑ Network:
			◀ Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct
			☑ Network Protocol:
			◀ TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD
10	1	unit	Computer Printer 3-in-1
			☑ with CIS Filled with Inks
			☑ Compact integrated tank design
			☑ High yield ink bottles
			☑ Spill-free, error-free refilling
			☑ Wi-Fi, Wi-Fi Direct
			☑ Borderless printing up to 4R
11	5	unit	Computer Printer, All-in-One/Multifunction Colored-Ink Tank
			☑ Ultra-low-cost printing: Print up to 4,500 pages in black and 7,500 in colour
			☑ Next generation ink filling system: Enjoy hassle and mess-free refills with the enhanced ink bottles
			☑ Wi-Fi, Wi-Fi Direct & apps: Print from mobile devices
			☑ 3-in-1: Print, copy & scan and borderless photo printing
			☑ Nozzle Configuration: 180 Nozzles Black, 59 Nozzles per Color
			☑ Minimum Droplet Size: 3 pl, With Variable-Sized Droplet Technology
			☑ Ink Technology: Dye Ink
			☑ Printing Resolution: 5,760 x 1,440 DPI
12	2	pc	Data logger module for Arduino UNO
			SD card interface works with FAT16 or FAT32 formatted cards.
			3.3V level shifter circuitry prevents damage to your SD card.
			Real time clock (RTC) keeps the time going even when the Arduino is unplugged.
			Included libraries and example code for both SD and RTC, means you can get going quickly.
			Prototyping area for soldering connectors, circuitry or sensors.
13	1	set	Desktop Computer (i3, 11th Gen)
			☑ Processor: Intel Core i3-11300 (4 cores /8 threads) or higher

			<ul style="list-style-type: none"> ☑Motherboard: Intel H510M Ultra Durable motherboard, Gaming LAN, Anti-Sulfur Resistor, LGA-1200
			☑8GB DDR4 2933 DIMM Desktop Memory or higher
			☑SSD: 240GB NVMe or higher
			☑Keyboard and Mouse Combo
			☑Casing with Power Supply
			☑Monitor: 18.5 inch, HD Ready (1366 X 768), TN Panel Connectivity Port: 1 VGA Port, 1 HDMI Port / Aspect Ratio: 16:9, Brightness (Typical): 200 cd/m2 / Refresh Rate: 60 Hz,
			☑Operating System: Genuine Windows 10 Home (OEM)
			☑AVR: 500W IC controlled
14	2	unit	Desktop Computer (i7 Branded)
			☑CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher
			☑HDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher
			☑RAM: 8GB (8GBx1) DDR4 2666MHz or higher
			☑Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher
			☑Screen: at least 23" IPS Monitor FHD
			☑Optical Drive: No Optical Drive
			☑USB Mouse and Keyboard
			☑ Uninterruptible Power Supply (UPS): at least 600VA, at most 4 hours charging time
			☑OS: Windows 10 Home Single Language (64bit) English or higher
15	1	unit	Desktop Computer, Assembled, 12th Gen Core i5
			☑Processor: Intel Core i5 12500 with Intel® UHD Graphics 770 processor graphics or higher
			☑Motherboard: Intel® H610 Motherboard with 6+1+1 Hybrid Phases Digital VRM Design, PCIe 4.0* Design, Gen3 x4 M.2, mATX form factor , Anti-Sulfur Resistor or higher
			☑Memory: 16GB (2x8) 3200MHz DDR4 or higher
			☑SSD: 500GB 3D NAND SSD PCIe Gen3x4 or higher
			☑Casing: MATX casing with acrylic side panels
			☑Power Supply: 450Watts 80+ Bronze Certified with 120mm thermally controlled low-noise cooling fan
			☑Monitor: 23" IPS FHD, 72% NISTC color gamut with 75Hz refresh rate
			☑Operating System: Genuine Windows 11 Pro
			☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse

			<ul style="list-style-type: none"> ☑500W IC controlled AVR
16	4	set	Desktop Computer, Assembled, 12th Gen Core i5, SDD and HDD
			<ul style="list-style-type: none"> ☑Processor: Intel® Core i5 12th gen with Intel® UHD Graphics 730 or higher
			<ul style="list-style-type: none"> ☑Motherboard :Intel® H610 Chipset for 12th Gen Intel® Core™ Series Processors, Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs, 6+1+1 Hybrid Digital VRM Design, Intel® GbE LAN, NVMe PCIe 3.0 x4 M.2, High Quality Audio Capacitors and Audio Noise Guard, mATX form factor or higher
			<ul style="list-style-type: none"> ☑RAM: 16GB DDR4 3200 Mhz or higher
			<ul style="list-style-type: none"> ☑SSD: 512 GB NVMe PCIe Gen 3x4
			<ul style="list-style-type: none"> ☑HDD: 1 TB 7200 RPM
			<ul style="list-style-type: none"> ☑PSU: 650w 80 plus Bronze Certified
			<ul style="list-style-type: none"> ☑Casing: mATX Casing with transparent acrylic side panel
			<ul style="list-style-type: none"> ☑24" IPS monitor 72% NSTC color gamut with 75Hz refresh rate
			<ul style="list-style-type: none"> ☑Keyboard and Mouse Combo: Spill-resistant design with up to Up to 5 million keystrokes (excludes number lock key) keyboard and full-sized ambidextrous optical mouse
			<ul style="list-style-type: none"> ☑Operating system: Genuine Windows 11
17	12	unit	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C
			<i>DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality</i>
18	3	btl	EPSON M200 Ink 774 black
			<i>Epson Genuine 774 Pigment Black 140ml Ink for M200;</i>
19	2	unit	External Hard Drive, 1 TB
			<i>Capacity: 1TB</i>
			<i>Connection interface: USB 2.0/3.0</i>
			<i>Storage Media: 2.5" SATA HDD</i>
			<i>Op. Voltage: USB DC 5V</i>
			<i>Size :129.5mm x 82.4mm x 20.4mm</i>
			<i>Weight: 216g</i>
20	1	unit	Global Positioning System (GPS)
			<i>4-inch dual-orientation,</i>
			<i>glove friendly touchscreen display;</i>
			<i>8 megapixel autofocus camera;</i>
			<i>automatically geotags photos; tracks both GPS and GLONASS satellites;</i>
			<i>1-year birds Eye Satellite Imagery subscription;</i>
			<i>3-axis compass with barometric altimeter</i>
21	2	pc	HDMI Cable

			3m
22	4	meter	HDMI Cable, 10m
			☑10 meters
			☑Nylon braided
			☑1.4 version 3D support
			☑Support all high resolutions including 480p, 720p, 1080p and 1180p.
			☑Multi -channel digital audio with a 10.2 Gbps bandwidth
			☑HDMI AV cable for HDTV
			☑HDMI EMI/RFI Compliant Cable
			☑24k GOLD plated HDMI plugs
			☑ROHS compliant cable.
23	2	unit	Headset with Noise Cancelling Mic
			☑Input Impedance: at least 32 Ohms
			☑Sensitivity (headphone):at least 94 dBV/Pa +/- 3 dB
			☑Sensitivity (microphone): -17 dBV/Pa +/- 4 dB
			☑Frequency response (Headset): 20 Hz - 20 KHz
			☑Frequency response (Microphone): 100 Hz - 10 KHz
			☑Cable Length: at least 7 ft
			☑Connections: USB-A compatible (1.1, 2.0, 3.0), USB port 1Type A port or adapter
24	20	pc	Ink Cartridge Canon G2010
25	10	btl	Ink continuous, refill, black (Brother DCP T310)
			<i>Ink continuous, refill, black (Brother DCP T310) BTD60 BK - Black;</i>
26	5	btl	Ink, Brother BT5000C Cyan
27	5	btl	Ink, Brother BT5000M Magenta
28	5	btl	Ink, Brother BT5000Y Yellow
29	35	btl	Ink, Epson 003,Genuine Black 65mL
30	16	btl	Ink, EPSON 003,Genuine Cyan 65mL
31	11	btl	Ink, EPSON 003,Genuine Magenta 65mL
32	16	btl	Ink, EPSON 003,Genuine Yellow 65mL
33	4	pc	Ink, Epson, genuine, (BK) T664, 70 ml
34	3	pc	ANTI VIRUS 1 DEVICE 2 YEARS
35	3	pc	INTERNET SECURITY 1 DEVICE 1 YEAR
36	2	set	Keyboard And Mouse Combo Bundle, USB powered
			☑Keyboard
			◀Keycaps: A-Shape, Round Edge
			◀Hotkeys: No
			◀Character: Laser Engraving
			◀Adjustable Keyboard Legs: Yes
			◀Rating: 5 V / 30 mA
			☑Mouse
			◀Report Rate: 125 Hz
			◀Sensor: Optical
			◀Resolution: 1000 DPI

			◀ Rating: 5 V / 100 mA
			◀ Buttons No.: 3
			◀ Ergonomic Design: Symmetric
			◀ Size: Middle / Big Hands
37	22	unit	LCD Projector (XGA), 3LCD Technology
			☑ Projection System Technology: RGB liquid crystal shutter projection system (3LCD), 3-chip technology
			☑ White Light Output (Normal/Eco): 3,600 lm
			☑ Colour Light Output: 3,600 lm
			☑ Resolution XGA, at least 1024 x 768,
			☑ Analog Input: D-Sub 15pin: 1
			☑ Digital Input: HDMI: 1
			☑ LCD: Native Resolution: XGA (1024 x 768)
			☑ Size: 0.55" (C2fine)
			☑ Lightsource: Type: 210W UHE
			☑ Life (Normal / Eco): 6,000 / 12,000 hours
			☑ Aspect Ratio: 4:3
			☑ USB Interface: USB Type B: 1 (For Firmware Update, Copy OSD Settings)
			☑ Analog Input: D-Sub 15pin: 1
			☑ Digital Input: HDMI: 1
38	13	unit	LCD Projector, XGA (1024x768)
			☑ Projection Method: Front/rear/ceiling mount
			☑ Pixel Number: at least 786,432 dots (1024 x 768) x 3
			☑ Color Brightness: 3.600 lumen- 2.235 lumen (economy) In accordance with IDMS15.4
			☑ Aspect ratio: 4:3
			☑ Lamp Life: ECO Mode up to 5000 hrs
			☑ Normal Mode up to 4000 hrs
			☑ Projection Distance Wide/Tele: 1,8 m - 2,17 m (60 inch screen)
			☑ Keystone Correction: Manual
			☑ USB Plug 'n Play: Compatible w/ PC and MAC computers
			☑ Contrast Ratio: 15.000 : 1
			☑ Color Reproduction: 16.77 million color
39	3	pc	Mouse, Wired, Optical, USB
			☑ USB Port Connectivity
			☑ Sensor: Optical
			☑ DPI: 1600
			☑ Work method: Wired
			☑ Buttons: Left button, middle button, right button
			☑ Scroll wheel direction: Two way
			☑ Design highlights: Easy installation. 1600 DPI high-definition tracking engine. Anti-slip scroll wheel. Full-size, ambidextrous design
40	1	unit	NETBOOK

		t	
			PROCESSOR INTEL 4th GENERATION PROCESSOR or higher
			PROCESSOR MODEL INTEL CORE i3/i5/i7
			STORAGE CAPACITY 16GB or higher
			SOLID STATE DISK CAPACITY 512GB or higher
			MECHANICAL HARD DISK CAPACITY 500GB HDD or higher
			SCREEN SIZE 15.6 INCHES - 14 INCHES
41	16	unit	Printer, All-in-One Wireless Ink Tank Color
			▣Product Description
			◀Product Details of All-in-One Wireless Ink Tank Colour Printer
			◀Printing resolution(dpi): 4800(horizontal) x 1200(vertical)
			◀Interface: USB Port=Hi-Speed USB *1, LAN Port=Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b*2
			◀Multiple copy: Max. 20 pages
			◀Maximum scanning size: A4/Letter, 8.5" x 11.7"/216x297 mm
			◀Multiple Copy: Mx. 99 pages
			◀Scanner Driver: Windows=TWAIN 1.9 Specification, WIA
			◀Scanning resolution: optical resolution (horizontal x vertical)= 600 x 1200 dpi
			◀Gradation (input/Output): Gray=16bit/8bit, Color=RGB each 16bit/8bit
			◀Data Compressing System: Black=MH, MR, MMR, Color= JPEG
			◀Modem Speed: Max. 33.6 kbps
			◀Density adjustment: 3 levels
			◀Memory: Transmission/reception= approx. 50 pages
			◀Color: 200 x 200 dpi
			◀Operating System: Windows 10,8.1,7 SP1
			◀Hard Disk Space: 3.1GB
			◀Display: XGA 1024 x 768
			◀Connectivity Type: WiFi
			◀Wireless LAN: Supported Standards: IEEE802.11n / IEEE802.11g / IEEE802.11b
			◀Frequency bandwidth: 2.4 GHz
			◀WCN (WCN-NET) • Easy wireless connect
			◀Other Features: Administration password
			◀Other Supported OS: iOS, Android, Windows 10 Mobile
			◀Mobile Printing Capability: Google Cloud Print, Apple AirPrint
42	3	unit	Printer, computer, continuous ink system, 4-in-1

		t	(Print, Scan, Xerox copy, Fax with ADF)
			☑ <i>Print Method: On-demand ink jet (piezoelectric)</i>
			☑ <i>Minimum Ink Droplet Volume:3 pl</i>
			☑ <i>Print Direction: Bi-directional printing, Uni-directional printing</i>
			☑ <i>Nozzle Configuration: 180 nozzles Black, 59 nozzles per colour (Cyan, Magenta, Yellow)</i>
			☑ <i>Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)</i>
			☑ <i>USB: USB 2.0</i>
			☑ <i>Network: Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct</i>
			☑ <i>Network Protocol: TCP/IPv4, TCP/IPv6</i>
43	3	pc	SD Card, 1 TB
			<i>U3 4K C10 V30</i>
			<i>Capacity: 1 TB</i>
			<i>Compatibility: Compatible with microSDHC/SDXC, /SDHC UHS-I/microSDXC UHS-I supporting host devices</i>
			<i>Sequential Read Performance: 200MB/s</i>
			<i>Sequential Write Performance: 140MB/s</i>
			<i>Dimension (L x W x H): 10.92mm x 14.99mm x 1.02mm</i>
44	1	pc	Stereo Speaker for PC Desktop
			<i>Product Description</i>
			<i>Quantum Duo PC speakers with the different color presets and lighting patterns</i>
			<i>General Specifications:</i>
			<i>Output power (W)20</i>
			<i>Audio Specifications:</i>
			<i>Dynamic frequency response range (Hz)</i>
			<i>60 Hz - 20K Hz</i>
			<i>Dimensions:</i>
			<i>Dimensions (cm)</i>
			<i>8.9 x 21 x 17.6</i>
			<i>Dimensions (in)</i>
			<i>3.5 x 8.3 x 6.9</i>
			<i>Weight (kgs) 2.8</i>
			<i>Weight (lbs)6.2</i>
			<i>Control and Connection Specifications:</i>
			<i>Bluetooth profiles</i>
			<i>A2DP v1.3, AVRCP v1.5</i>
			<i>Bluetooth frequency</i>
			<i>2402 MHz - 2480 MHz</i>
			<i>Bluetooth transmitted modulation</i>
			<i>GFSK, $\pi/4$ DQPSK, 8DPSK</i>
			<i>Bluetooth transmitter power</i>
			<i>≤ 12.5 dBm (EIRP)</i>
			<i>Bluetooth version</i>
			4.2
45	6	pc	Temperature and Humidity Sensor DHT11

			Operating voltage: 3.3v-5.5v
			Humidity measuring range: 20%-95%
			Small plates PCB size: 3.2cm x 1.4cm
46	6	pc	Temperature and Humidity Sensor, DHT22
			☑Sensing element
			◀polymer capacitor
			☑Power supply
			◀3.3 to 6V DC
			◀Operating range
			◀0-100% RH;
			◀-40 to 80 celsius Temp
			☑Dimension
			◀22 x 28 x 5 mm
47	2	pc	Temperature-Humidity Data Logger
			☑Portable and hand-held
			☑16000 data recording capacity.
			☑Adjustable record interval: 10s~24hour
			☑Multi-function LCD
			☑Internal NTC temperature thermal sensor with optional external sensor
			☑Data export in PDF/EXCEL via data management software
			☑Selectable °F/°C temperature unit
			☑Size: approx. 84 (L) x 44(W) x 20 (H) mm
			☑Good quality
			☑Durable
48	3	unit	UPS 800W (for Computer)
			☑Charging time: At most 4 hours;
49	4	pc	USB Hub, 4 gangs
			MS Universal USB 3.0 Multi-Port Socket at least 4 ports
			Plug type: US, EU
50	6	unit	Web Camera for PC
			☑Image sensor: 1 / 2.9
			☑Lens: 3.6mm/75.7 °
			☑Effective pixel: 1932 (H) * 1088 (V)
			☑Horizontal resolution: 2MP
			☑SNR: > 50dB
			☑Video stream: H.264:1920 * 1080 / 1920 * 720 / 640 * 360 MJPEG: 1920 * 1080 / 1920 * 720 / 640 * 360
			☑Video Frame rate: 25FPS / 30FPS
			☑Electronic shutter: Auto
			☑Protocol: UVC / UVA
			☑Video output: USB video stream
			☑Working voltage: DC5V / 160mA ± 6mA
			☑Working environment: -20 °C to 60 °C
51	1	set	Desktop Computer, AMD Ryzen 5 5600G, 16GB RAM, GTX 1660 ti

			Processor: AMD Ryzen 5 5600G 6 Cores & 12 Threads, 3.9 GHz Base Clock, 4.4 GHz Max Boost Clock, Socket AM4, 3MB L2 & 16MB L3 Cache or higher
			☑Motherboard: AMD B550 Chipset Ultra Durable Motherboard with 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs, PCIe 4.0 x16 Slot, Dual PCIe 4.0/3.0 M.2 Connectors, Realtek GbE LAN, High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality or higher
			☑Graphics: GTX 1660 ti
			☑Monitor: 24"
			☑Memory: 16GB DDR4 3200MHZ(8+8) or higher
			☑Storage: 512g SSD M2 or higher
			☑Storage: 1TB HDD
			☑Keyboard and Mouse
			☑Audio: HD audio Realtek
			☑Operating System: Genuine Windows 10 or higher
52	2	pc	Laptop (Pentium Dual Core)
			☑Processor: Intel Pentium Gold 4417u Processor or higher
			☑Memory: at least 4GB DDR4 or higher
			☑Storage: at least 128GB SSD
			☑Display: 14" HD (1366x768) LED Display
			☑Video Processor: nVidia MX110 2GB VRAM or higher
			☑Connectivity: 802.11AC WiFi + BT USB3.0 Port HDMi Port
			☑Operating System: Genuine Windows 10 Home
53	1	unit	Desktop Computer (i7) Branded, with 24" FHD IPS Monitor
			☑Processor Type: Intel Core i7 (2.1 GHz base frequency, up to 4.9 GHz with Intel Turbo Boost Technology, 25 MB L3 cache, 12 cores, 20 threads) or higher
			☑Memory: 16 GB DDR4-3200 SDRAM (1 x 16 GB) or higher
			☑Hard Drive: 512 GB PCIe NVMe M.2 SSD; 1 TB 7200 rpm SATA HDD
			☑OS: Windows 11
			☑"Expansion Slot: 2 x PCI Express Slots (1 x PCI-Ex16 , 1 x PCI-Ex1), 2 x M.2 Expansion Slots (1 for SSD; 1 for WLAN)", Expansion Bay: HDD 3.5" x 2 (or HDD 3.5" x 1 + HDD 2.5" x1) + 9.5mm slim ODD x 1
			☑Monitor: 24" FHD IPS Monitor
			☑Graphics: NVIDIA GeForce GTX 1660 SUPER (6 GB GDDR6 dedicated)
			☑Power Supply: 350 W 80 Plus Gold certified power supply
			☑Keyboard & Mouse: Wireless Keyboard and mouse combo
			☑LAN: Integrated 10/100/1000 GbE LAN

			<ul style="list-style-type: none"> ▣"WLAN: Realtek Wi-Fi 6 (2x2) and Bluetooth 5.2 combo (Supporting Gigabit data rate) MU-MIMO supported " Bluetooth: YES
			<ul style="list-style-type: none"> ▣Ports: Front: 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-C 5Gbps signaling rate; Rear: 4 USB 2.0 Type-A
			<ul style="list-style-type: none"> ▣Speakers:
			<ul style="list-style-type: none"> ◀ Single USB cable for computers and laptops enjoy a hassle-free Audio experience with a single USB cable without the need for a power adapter
54	4	pc	HP, Laser Jet 107a Toner HP 107A (W1107A), Black
55	1	unit	Printer, Tank Ink System, 3 in 1 (Print, Scan, Copy)
			<ul style="list-style-type: none"> ▣Tank Ink System
			<ul style="list-style-type: none"> ▣Printer Type: Print, Scan and Copy
			<ul style="list-style-type: none"> ▣Scanner Type: Flatbed colour image scanner
			<ul style="list-style-type: none"> ▣Sensor Type: CIS
			<ul style="list-style-type: none"> ▣Optical Resolution: 600 x 1200 dpi
			<ul style="list-style-type: none"> ▣Copy Speed: Maximum Copies from Standalone: 20 copies
			<ul style="list-style-type: none"> ▣Maximum Copy Size: A4, Letter
			<ul style="list-style-type: none"> ▣ISO 29183, A4 Simplex Flatbed (Black / Colour): Up to 7.0 ipm / 1.7 ipm
			<ul style="list-style-type: none"> ▣Max Copy Resolution: 300 x 300 dpi
			<ul style="list-style-type: none"> ▣Paper Handling: Up to 20 Sheets-Premium Glossy Photo Paper 10 Sheets-Envelope, 30 Sheets-Postcard
			<ul style="list-style-type: none"> ▣Output Capacity: Up to 30 sheets
			<ul style="list-style-type: none"> ▣A4 plain paper: 20 sheets, Premium Glossy Photo Paper
			<ul style="list-style-type: none"> ▣Maximum Paper Size: 215.9 x 1200 mm (8.5 x 47.24")
			<ul style="list-style-type: none"> ▣Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)
			<ul style="list-style-type: none"> ▣Print Direction: Bi-directional printing
			<ul style="list-style-type: none"> ▣Maximum Print Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)5760 x 1440 dpi (with Variable-Sized Droplet Technology)
			<ul style="list-style-type: none"> ▣Minimum Ink Droplet Size: 3 pl
56	4	box	Toner Cartridge, HP 85A CE285A, Black
			HP 85A (CE285A) toner cartridges work with: HP LaserJet Pro M1212nf, M1217nfw, P1102w, P1109w
			HP 85A toner cartridge yield (approx.): 1,600 pages. Operating temperature range is 10 to 32.5°C
57	1	lot	1 Lot LAN Cable
			7 spools at 12,000.00 each
			LAN Cable, Cat 6 (VSU existing fleet Belden)
			Cat6 UTP cable, 4 pairs, AWG23, e-spline center, UL listed, ISO, 305m(1000ft)/spool
58	1	lot	1 Lot Network Infrastructure (Miscellaneous)

			<i>Network IP Phones:</i>
			<i>3 units at 7,000.00</i>
			<i>Cisco CP-6821 (same existing fleet of VSU IP Phones)</i>
			<i>IP Network Camera:</i>
			<i>5 units at 3,500.00</i>
			<i>Hikvision, Dome type camera, 2 Mega Pixel IP67 (Same brand of Existing VSU fleet camera)</i>
			<i>3M Volition (Same fleet of VSU existing) Face plate with module, flush type</i>
			<i>*2 Ports Face plate with RJ-45 Module Cat 6</i>
			<i>25 sets at 850.00</i>
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top or bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>*1 Port Face plate with RJ-45 Module Cat 6</i>
			<i>25 sets at 450.00</i>
			<i>3M Keystone</i>
			<i>Original 3M Volition (Cat6 female Tool-less RJ45 Keystone Mount)</i>
			<i>Re-usable</i>
			<i>Shallow Depth, Cable Entry from top to bottom</i>
			<i>Keystone Mounting</i>
			<i>Accepts both solid conductors from AWG 26 to 22 and stranded conductors</i>
			<i>Integral shutter Benefits</i>
			<i>Easy and quick to install</i>
			<i>Integral shutter protects jack in the patch panel</i>
			<i>Grading FA1-H Biometric System (Same with existing VSU fleet)</i>
			<i>2 units at 10,000.00</i>
			<i>Biometric System, finger print and facial recognition</i>
			<i>Built-in backup battery</i>
			<i>Network port</i>
59	1	lot	1 Lot Network Switches
			<i>6 units at 75,000.00 each</i>
			<i>Network Switches:</i>
			<i>Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)</i>
			<i>*PoE, PoE+ (370watts)</i>
			<i>*24 ports</i>
			<i>*Up to 104 Gbps capacity</i>

			*Layer 2
			*Fast Ethernet, 1GbE
			*Lifetime Warranty
60	1	lot	1 Lot Network Switches (2)
			2 units at 95,000.00 each
			Network Switches:
			HP Aruba 2540 (Based on VSU existing HP fleet of network equipment)
			PoE, PoE+ (370 watts)
			24 ports
			Up to 176 Gbps Switching capacity
			Layer 2 with Static and RIP
			1G, SFP, SFP+
			Lifetime Warranty
61	1	lot	1 Lot Uninterruptible Power Supply (UPS)
			UPS: 9 units at 6,000.00
			1000 watts, 1500VA, Universal type of outlet, built-in AVR
62	1	lot	Network Wifi Access Points
			20 units Network WiFi Access Points
			Unifi Nano HD
			(Existing fleet of VSU Wifi Access Points)
63	4	unit	Network Switch
			☑Standards: IEEE 802.3, 802.3u, 802.3x, 802.3ab, 802.3az
			☑Number of Ports: 24 Gigabit
			☑Speed: 10/100/1000
			☑Bandwidth: 48 Gbps (non-blocking)
			☑Performance: Full line rate and forwarding rate of 64B frame at: 1.488Mpps for 1000M port , 0.1488Mpps for 100M port, 0.01488Mpps for 10M port
			☑Quality of Service: 802.1p and DSCP
			☑MAC Address Table: 8K
64	3	unit	UTP Cable (305 meters), CAT 6 23 AWG
			☑UTP Cable cat6
			☑Cat 6 Cable UTP Unshielded AWG23
			☑Gray Data LAN Cable
			☑1000 feet 305m 1000ft.
			☑must be UL listed & ISO certified cable
65	5	unit	Laptop, 14" (i7)
			☑Processor: Intel Core i7 10th generation or higher
			☑Graphics: NVIDIA GeForce MX250 at least 2GB GDDR5
			☑Memory: at least 8GB DDR4-2666
			☑Storage: at least 256GB SSD M.2 + 1TB HDD
			☑Display: 14" FHD (1920x1080) IPS 250nits Anti-glare
			☑Touchscreen: None

			☑Optical: None
			☑Media Reader: 4-in-1 Card Reader
			☑Ethernet: None
			☑WLAN + Bluetooth
			☑Camera: at least 720p
			☑Microphone: at least 2x, Array
			☑Operating System: licensed Windows 10 Home or Pro
			☑Bundled Software: Microsoft Office Perpetual License
			☑Repair and replacement should be at most 3 month from returning the unit
			☑at least 3 years Warranty
			☑FREE: Backpack
66	30	pc	HDMI to HDMI cable
			chord 1.8 meter long
67	1	unit	External Hard Disk Drive (Portable, 2TB), USB
			☑Shock-absorbing
			☑Interface: USB 3.1 (Max.5Gb/s)
			☑Capacity: 2TB
			☑Texture: Plastic/Rubber
			☑Operating Voltage: DC 5V, 900mA
			☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later
68	2	pair	Multimedia Speakers 2.0, 6W, USB powered
			Total Output Power (RMS): 6W
			Satellite wattage (RMS):3W
			Satellite Driver : Size : 2.5"
			Frequency Range: 70-20000 Hz
			Interface: 3.5mm jack
			Housing material : ABS
			Controls: Overall Volume
			Power Supply: via USB, 5V
69	4	pc	DJI Inspire 2 TB50 Intelligent Flight Battery
70	2	pc	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh
71	1	lot	A4 Pigment Printer
72	1	unit	Smartphone for 3D and Internet-of-Things Development and Controls
			6-core CPU with 2 performance and 4 efficiency cores; 5-core GPU; 16-core Neural Engine
			Gold Finish
			6.1-inch (diagonal) all-screen OLED display
			2556-by-1179-pixel resolution at 460 ppi
			256 GB
			Rated IP68 (maximum depth of 6 meters up to 30 minutes) under IEC standard 60529
			TrueDepth camera for facial recognition
			Precision dual-frequency GPS (GPS, GLONASS, Galileo,

			QZSS, and BeiDou)
			Digital compass
			Wi-Fi
			Cellular
			iBeacon microlocation
			LiDAR Scanner
			Barometer
			High dynamic range gyro
			High-g accelerometer
			Proximity sensor
			Dual ambient light sensors
73	6	unit	Arduino UNO microcontroller, Microchip AT mega328P
74	8	set	Computer Monitor 24", IPS, Bezel-less Full HD Monitor
			☑Panel Type: IPS
			☑Brightness(Typical): 250cd/ m ²
			☑Brightness(Min): 200cd/ m ²
			☑Contrast Ratio Static: 1000:1(typical)
			☑Dynamic Contrast Ratio: MegaFlat
			☑Resolution: 1920x1080
			☑Response Time: 5ms(GTG)
			☑Max Color Support: Max 16.7M
			☑Max Refresh Rate: Max 75Hz
			☑Interface: D-sub(x1), HDMI(x1)
75	2	pc	CPU (Central Processing Unit)
			☑AMD A10-8770 Processor
			☑Motherboard compatible with the processor
			☑Kingston 4GB DDR4-2666 Memory
			☑CPU Casing w/ PSU
			☑256GB SSD
76	15	unit	External Hard Disk Drive (Portable, 1TB), USB 3.1
			☑Shock-absorbing
			☑Interface: USB 3.1 (Max.5Gb/s)
			☑Capacity: 1TB
			☑Texture: Plastic/Rubber
			☑Operating Voltage: DC 5V, 900mA
			☑System Requirements: Windows XP / Vista / 7 / 8 / 8.1 / 10, Mac OS X 10.6 or later, Linux Kernel 2.6 or later
77	10	pack	Ink, T05C1, BLACK, Genuine
			(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)
78	10	pack	Ink, T05C2, Cyan, Genuine
			(for Epson C878R WorkForce Pro A3 Colour

			<i>Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
79	10	pac k	Ink, T05C3, Magenta, Genuine
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
80	10	pac k	Ink, T05C4, Yellow, Genuine
			<i>(for Epson C878R WorkForce Pro A3 Colour Multifunction Printer, Replaceable Ink Pack System RIPS Original Pigment Inks)</i>
81	20	uni t	Laptop 14" (i5)
			■Processor: Intel Core i5-1035G1 Processor 1.0 GHz 6M Cache, up to 3.60 GHz or higher
			■Operating system: Windows 10 Home
			■Memory: 4GB memory, 1 x SO-DIMM socket (for expansion) or higher
			■Display: 14.0" (16:9) LED-backlit FHD (1920x1080) 60Hz Anti-Glare Panel with 45% NTSC
			■Video Processor: NVIDIA GeForce MX330 , with 2GB GDDR5 VRAM or higher
			■Storage: 512GB PCIe Gen3 x2 SSD
82	10	uni t	Universal HDMI to VGA Adapter Cable, at least 1.8 meters
83	1	uni t	Desktop Computer with 2 Units Printer
			<i>Desktop Computer with 2 units Printers</i>
			<i>Intel Core i7-13400, 10C (6P + 4E) / 16T, P-core 2.5 / 4.6GHz, E-core 1.8 / 3.3GHz, 20MB or higher</i>
			<i>mATX B760 Chipset Motherboard with Hybrid 8+1+1 Phases Digital VRM Solution/ Advanced Thermal Design & M.2 Thermal Guard</i>
			<i>16GB UDIMM DDR4-3200 or higher</i>
			<i>1TB SSD M.2 2280 PCIe 4.0x4 NVMe</i>
			<i>600Watts Bronze Certified PSU or higher</i>
			<i>Casing with Acrylic Side Panels</i>
			<i>NVIDIA GeForce RTX 3050 8GB GDDR6</i>
			<i>Wi-Fi 6, 11ax 2x2 + BT5.1</i>
			<i>24" IPS Monitor, 75Hz</i>
			<i>4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection,UPS</i>
			<i>Genuine Windows 11 Home</i>
			<i>With: UPS, Keyboard, Mouse, Web Camera and Headset</i>
			<i>Computer Printer, All-in-One Multifunction, Colored Ink Tank</i>
84	1	uni t	Laptop

			Laptop: Intel Core i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) or higher
			16GB RAM or higher
			512GB M.2 NVMe PCIe 3.0 SSD or higher
			16.0-inch WUXGA (1920 x 1200) 16:10 aspect ratio LED Backlit IPS-level Panel 120Hz refresh rate
			NVIDIA GeForce RTX 3050 4GB Laptop GPU 4GB GDDR6
			Wi-Fi 6E (802.11ax) (Dual band) 1*1 + Bluetooth 5.3 Wireless Card
			Windows 11 Home
85	6	btl	Epson 003 Ink Bottle for Epson L3150, Black
86	6	btl	Epson 003 Ink Bottle for Epson L3150, CYAN
87	6	btl	Epson 003 Ink Bottle for Epson L3150, MAGENTA
88	6	btl	Epson 003 Ink Bottle for Epson L3150, YELLOW
89	1	pc	Router, Wireless
			☑ Enjoy the benefits of Wireless-N300 (802.11n) in your home ideal for surfing the web, emailing and printing wirelessly
			☑ Connect your computers, wireless printers, smartphones, and other wireless devices at up to 300 Mbps transfer speed
			☑ Enjoy broad wireless coverage provided by MIMO antenna technology
			☑ Use four Fast Ethernet (10/100 Mbps) ports to directly connect wired devices
			☑ Keep your network protected with customizable security settings, including WPA/WPA2 Personal and SPI firewall protection
90	1	unit	Laptop
			Operating System
			Windows 11 Home Single Language
			Operating System Architecture 64-bit
			Processor: Intel Core™ i5 -12500H or higher
			Processor Speed 2.50 GHz
			Processor Core Dodeca-core (12 Core™)
			Processor Generation 12th Gen
			Graphics Controller Manufacturer: NVIDIA®
			Graphics Controller Model
			GeForce® RTX™ 3050
			Graphics Memory Capacity 4 GB
			GDDR6
			Graphics Memory Accessibility
			Dedicated
			GPU Boost Clock
			Up to 1600 MHz
			Maximum Graphics Power
			Up to 95 W

			Screen Size: 39.6 cm (15.6")
			Display Screen Type: LCD
			Backlight Technology: LED
			Screen Resolution: 1920 x 1080
			Standard Refresh Rate
			144 Hz
			Total Installed System Memory: 8 GB
			DDR4 SDRAM
			Total Solid State Drive Capacity ; 512 GB
			Solid State Drive Interface
			PCI Express
			Wireless LAN Standard
			IEEE 802.11 a/b/g/n/ac/ax
			Wireless LAN Model
			Wi-Fi 6 AX 1650i
			Ethernet Technology
			Gigabit Ethernet
			Bluetooth Standard
			Bluetooth 5.1 or above
			Built-in Devices
			Microphone
			Interfaces/Ports
			HDMI
			Number of HDMI Outputs: 1
			Number of USB 3.2 Gen 1 Type-A Ports: 1
			Number of USB 3.2 Gen 2 Type-A Ports: 2
			Number of USB 3.2 Gen 2 Type-C Ports:1
			Total Number of USB Ports:4
			USB Type-C
			USB Type-C Detail
			USB Type-C port supporting: USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W
			Network (RJ-45)
			Pointing Device Type
			TouchPad
			Keyboard Backlight
			TouchPad Features
			Multi-touch Gesture
			4-cell Lithium Ion (Li-Ion) Battery
			Maximum Power Supply Wattage 180 W
			Product Color Obsidian Black
			Miscellaneous
			Package Contents
			Nitro 5 AN515-58-50YE Gaming Notebook
			Lithium Ion Battery
			AC Adapter
			Security Features

			Firmware Trusted Platform Module (TPM) solution
			Kensington lock slot
			Rebidding - VSU-GOODS-23-36
91	1	set	4000W Power Inverter + 3A solar controller kit
			Specifications:
			Output Voltage 220V
			Color: Yellow Black
			Material: Plastic
			Waveform: Modified Sine Wave
			Surge Peak Power: 4000W
			Input voltage: 12V
			Input voltage Range; 9.5V - 15.5V
			Output Voltage Range: 220V+ 10%
			Frequency: 50Hz
			Efficiency 90%
			Circuit topology push-pull
			No load current < 0.7A
			Low voltage protection: Minimum protection voltage 9.5V
			High voltage protection: Max protection voltage 15.5V
			Overload protection: Yes
			Output short circuit protection: Yes
			Positive and negative reverse connection protection: YES
			Output regulation: Yes
			Display Scree: Display Output Voltage Battery Voltage
			Input terminal wiring: terminal
			Output interface: 1Socket, 2* USB
			USB Output 2.14
			Car Cigarette Plug Length: 42.5cm/16.7inch
			Battery clips length 46.8cm / 6.334.4* 2.2 inch
			(NOTE: see attached specifications)
92	1	pc	Automatic Voltage Regulator, 5000 VA, Servo-motor controlled
			Capacity: 5000 VA
			Input Voltage: 160-240 V
			Output Voltage: 110/220 V
			Phase: Single
			Control System: Servo-Motor Control
			Response Time: within 4sec against 10%, Input Fluctuation
			Overload Protection
			Time Delay Function
			Analog Volt Meter and Ammeter
93	1	unit	Camera
			SENSOR TYPE: 1.0-type (13.2 mm x 8.8 mm) Exmor RS® CMOS sensor, aspect ratio 3:2
			NUMBER OF PIXELS (EFFECTIVE): Approx. 20.1 Megapixels

			LENS TYPE: ZEISS® Vario-Sonnar® T* Lens, 10 elements in 9 groups (9 aspheric elements including AA lens)
			F-NUMBER (MAXIMUM APERTURE): F1.8(W)–2.8(T)
			ND-FILTER: Auto/On (3 steps)/Off
			FOCAL LENGTH: f = 8.8-25.7 mm
			ANGLE OF VIEW (35 MM FORMAT EQUIVALENT): 84 deg-34 deg (f = 24-70 mm) ² 3
			FOCUS RANGE (FROM THE FRONT OF THE LENS): iAuto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity) / Program Auto: AF (W: Approx. 5 cm (0.17 ft) to Infinity, T: Approx. 30 cm (0.99 ft) to Infinity)
			OPTICAL ZOOM: 2.9x
			CLEAR IMAGE ZOOM (STILL IMAGE): 20 M Approx. 5.8x/10 M Approx. 8.2x/5.0 M Approx. 11x/VGA Approx. 44x
			CLEAR IMAGE ZOOM (MOVIE): 4K: 4.35x, HD: Approx. 5.8x
			DIGITAL ZOOM (STILL IMAGE): 20 M Approx. 11x/10 M Approx. 16x/5.0 M Approx. 23x/VGA Approx. 44x
			DIGITAL ZOOM (MOVIE): Digital Zoom Approx. 11x
			SCREEN TYPE: 7.5 cm (3.0 type)(4:3)/1,228,800 dots/Xtra Fine/TFT LCD
			ADJUSTABLE ANGLE: Up by approx. 180 degrees, down by approx. 45 degrees
			DISPLAY SELECTOR (FINDER/LCD): Auto/EVF (Manual)/Monitor(Manual)
			MS ASSIST MAGNIFICATION: 5.3x, 10.7x
			SCREEN TYPE/NUMBER OF DOTS: 0.39-type electronic viewfinder(OLED), 2,359,296 dots
			FIELD COVERAGE: 100%
			MAGNIFICATION: Approx. 0.59x with 50 mm lens at infinity, -1m-1(diopter) (35 mm equiv.)
			EYE POINT: Approx. 20 mm from the eyepiece, 19.2 mm from the eyepiece frame at -1m-1(diopter) (CIPA standard)
			DIOPTRE ADJUSTMENT: -4.0 to +3.0 m-1
			BRIGHTNESS CONTROL: Auto, Manual (5 steps)
			IMAGE PROCESSING ENGINE: Yes (BIONZ X)
			STEADYSHOT (STILL IMAGE): Optical
			STEADYSHOT (MOVIE): Yes (Intelligent Active Mode, Optical type with electronic compensation, Anti Rolling type)
			FOCUS TYPE: Fast Hybrid AF(phase-detection AF/contrast-detection AF)
			FOCUS MODE: Single-shot AF, Automatic AF, Continuous AF, DMF, Manual Focus
			FOCUS AREA: Wide (315 points (phase-detection AF),

		25 points [contrast-detection AF]), Zone, Center, Flexible Spot (S/M/L), Expanded Flexible Spot, Lock on AF Wide/Zone/Center/Flexible Spot(S/M/L)/Expanded Flexible Spot
		LOCK ON AF: Yes
		LIGHT METERING MODE: Multi Pattern, Center-Weighted, Spot, Entire Screen Avg, Highlight
		EXPOSURE COMPENSATION: +/- 3.0 EV, 1/3 EV step
		ISO SENSITIVITY (STILL IMAGE)(RECOMMENDED EXPOSURE INDEX)
		Auto (ISO125-12800, selectable with upper/lower limit),125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800 (Extendable to ISO80/100),Multi-Frame NR: Auto(ISO125-12800), 200/400/800/1600/3200/6400/12800/2560056
		ISO SENSITIVITY (MOVIE)
		Auto: (ISO125–ISO12800, selectable with upper/lower limit), 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/5000/6400/8000/10000/12800
		MINIMUM ILLUMINATION (MOVIE): Auto:1.2 lux(Shutter Speed 1/30")
		WHITE BALANCE MODES: Auto, Daylight, Shade, Cloudy, Incandescent, Fluor.: Warm White, Fluor.: Cool White, Fluor.: Day White, Fluor.: Daylight, Flash, Underwater Auto, C.Temp./Filter, Custom
		WB MICRO ADJUSTMENT: Yes
		SHUTTER SPEED
		iAuto (4" - 1/2000)/Program Auto (30" - 1/2000)/Manual (Bulb, 30" - 1/2000)/Aperture Priority (30" - 1/2000)/Shutter Priority (30" - 1/2000)
		ELECTRONIC SHUTTER
		iAuto (4" - 1/32000)/Program Auto (30" - 1/32000)/Manual (30" - 1/32000)/Aperture Priority (30" - 1/32000)/Shutter Priority (30" - 1/32000)
		APERTURE
		iAuto (F1.8/F11(W)) / Program Auto(F1.8/F11(W)) / Manual(F1.8/F11(W)) / Shutter Priority(F1.8/F11(W)) / Aperture Priority(F1.8/F11(W))
		IMAGE CONTROL
		Contrast, Saturation, Sharpness, Creative Style, Color Space (sRGB/Adobe RGB), Quality (RAW/RAW&JPEG (Extra fine, Fine, Standard)/JPEG (Extra fine, Fine, Standard)
		NOISE REDUCTION
		Long exposure NR: On/Off, available of shutter speeds longer than 1/3 sec., high ISO NR: Normal/Low/Off, Multi Frame NR: Auto, ISO200-25600

			DYNAMIC RANGE FUNCTIONS
			Off, Dynamic Range Optimizer (Auto/Level 1-5), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0–6.0 EV, 1.0 EV step))
			SHOOTING MODE
			AUTO(Intelligent Auto/Superior Auto), Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure, MR(Memory Recall) [body 3 sets/memory card 4 sets], Movie Mode(Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure),HFR Mode (Program Auto, Aperture Priority, Shutter Speed Priority, Manual Exposure), Panorama, Scene Selection
			SCENE SELECTION
			Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Motion Blur, Pet Mode, Gourmet, Fireworks, High Sensitivity
			CONTINUOUS SHOOTING SPEED (MAXIMUM) (WITH MAX. RECORDING PIXELS)
			Continuous Shooting Hi: approx. 24fps, Continuous Shooting Mid: approx. 10fps, Continuous Shooting Low: approx. 3.5fps 8910
			SELF-TIMER
			10 s / 5 s / 2 s / 3 or 5 consecutive shots with 10 s, 5 s, or 2 s delay selectable / Bracketing shots with 10 s, 5 s, or 2 s delay selectable
			DRIVE MODES
			Single, Continuous shooting (Hi/Mid/Lo), Self-timer, Self-timer(cont.), Cont.-bracketing11, Single-bracketing11, White balance bracketing11, DRO bracketing11
			PANORAMA (SHOOTING): Sweep Panorama
			PICTURE EFFECT
			[Still Image]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono., Soft Focus, HDR Painting, Richtone Monochrome, Miniature, Watercolor, Illustration; [Movie]:Toy camera, Pop Color, Posterization, Retro Photo, Soft High-key, Partial Color, High Contrast Mono.
			CREATIVE STYLE
			Standard, Vivid, Neutral, Clear, Deep, Light, Portrait, Landscape, Sunset, Night Scene, Autumn Leaves, Black & White, Sepia, Style Box
			PICTURE PROFILE
			off/PP1-PP7(Black Level, Gamma (Movie, Still, Cine1-2, ITU709, ITU709 [800%], S-Log2), Black Gamma, Knee, Color Mode, Saturation, Color Level, Color Phase, Color Depth, Detail, Copy, Reset)
			NUMBER OF RECOGNISED SCENES
			Still Image:Superior Auto: 44 / iAuto: 33, Movie:44
			FLASH MODE: Auto/Flash On/Slow Synchro/Rear

		Sync/Flash Off
		FLASH TYPE: Built-in, manual pop-up
		AF ILLUMINATOR: Auto / Off
		BRACKETING: Yes
		FLASH RANGE
		ISO Auto: Approx.0.4 m to 10.2 m (1.31 ft to 33.46 ft) (W) / Approx. 0.4 m to 6.5 m (1.31 ft to 21.33 ft) (T), ISO12800: up to Approx. 20.4 m (66.93 ft.) (W) / Approx. 13.0 m (42.65 ft.) (T)
		COMPATIBLE RECORDING MEDIA
		Memory Stick Duo, Memory Stick PRO Duo, Memory Stick PRO Duo (High Speed), Memory Stick PROHG Duo, Memory Stick Micro1, Memory Stick Micro (Mark2), SD Memory Card, SDHC Memory Card(UHS-I), SDXC Memory Card (UHS-I), microSD Memory Card, microSDHC Memory Card, microSDXC Memory Card
		RECORDING FORMAT
		[Still Image]: JPEG(DCF Ver.2.0, Exif Ver.2.31, MPF Baseline compliant), RAW (Sony ARW 2.3 format); [Movie]: XAVC S, AVCHD format Ver.2.0 compatible
		RECORDING FORMAT (MOVIE AUDIO)
		XAVC S: LPCM 2ch, AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator)
		COLOUR SPACE (STILL)
		sRGB, Adobe® RGB
		DCF/DPOF
		DCF/DPOF/EXIF/MPF
		STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE)
		3:2 mode: 20M (5,472 x 3,648) / 10M (3,888 x 2,592) / 5M (2,736 x 1,824), 4:3 mode:18M (4,864 x 3,648) / 10M (3,648 x 2,736) / 5M (2,592 x 1,944) / VGA,16:9 mode:17M (5,472 x 3,080) / 7.5M (3,648 x 2,056) / 4.2M (2,720 x 1,528), 1:1 mode: 13M (3,648 x 3,648) / 6.5M (2,544 x 2,544) / 3.7M (1,920 x 1,920), Sweep Panorama: Wide (12,416 x 1,856/5,536 x 2,160), Standard (8,192 x 1,856/3,872 x 2,160)
		MOVIE RECORDING MODE (NTSC)
		NTSC/PAL Selector: [NTSC] AVCHD: 24 M FX (1,920x1,080/60i)/17 M FH (1,920x1,080/60i), XAVC S 4K: 30p 100 M (3,840x2,160/30p)/30p 60 M (3,840x2,160/30p)/24p 100 M (3,840x2,160/24p)/24p 60 M (3,840x2,160/24p), XAVC S HD: 60p 50 M (1,920x1,080/60p)/60p 25 M (1,920x1,080/60p)/30p 50 M (1,920x1,080/30p)/30p 16 M (1,920x1,080/30p)/24p 50 M (1,920x1,080/24p)/120p 100 M (1,920x1,080/120p)/120p 60 M (1,920x1,080/120p)
		MOVIE RECORDING MODE (PAL)
		NTSC/PAL Selector: [PAL] mode AVCHD: 24 M FX

		(1,920x1,080/50i)/17 M FH (1,920x1,080/50i), XAVC S 4K: 25p 100 M (3,840x2,160/25p)/25p 60 M (3,840x2,160/25p), XAVC S HD:50p 50 M (1,920x1,080/50p)/50p 25 M (1,920x1,080/50p)/25p 50 M (1,920x1,080/25p)/25p 16 M (1,920x1,080/25p)/100p 100 M (1,920x1,080/100p)/100p 60 M (1,920x1,080/100p),
		HFR
		(Recording) NTSC/PAL Selector: [PAL] mode XAVC S HD:50p 50M(1920x1080/250fps), 50p 50M(1920x1080/500fps), 50p 50M(1920x1080/1000fps) / 25p 50M(1920x1080/250fps), 25p 50M(1920x1080/500fps), 25p 50M(1920x1080/1000fps), NTSC/PAL Selector: [NTSC] mode XAVC S HD:60p 50 M (1,920x1,080/240fps), 60p 50 M (1,920x1,080/480fps), 60p 50 M (1,920x1,080/960fps)/30p 50M (1,920x1,080/240fps), 30p 50 M (1,920x1,080/480fps), 30p 50 M (1,920x1,080/960fps)/24p 50 M (1,920x1,080/240fps), 24p 50 M (1,920x1,080/480fps), 24p 50 M (1,920x1,080/960fps) (Sensor Readout Number of effective pixels) Quality Priority: 240fps/250fps (1,824x1,026), 480fps/500fps (1,824x616), 960fps/1000fps (1,244x420)/Shoot Time Priority: 240fps/250fps (1,824x616), 480fps/500fps (1,292x436),960fps/1000fps (912x308)
		STILL IMAGE NUMBER OF RECORDED PIXELS (IMAGE SIZE) DURING MOVIE
		16:9 mode: 17M(5472×3080)/7.5M(3648×2056)/4.2M(2720×1528)
		PROXY RECORDING
		Yes(1280 x 720 [approx. 9 Mbps])
		INPUT AND OUTPUT TERMINALS: Multi/Micro USB Terminal14, High-Speed USB (USB 2.0), Micro HDMI
		NFC: NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing
		WI-FI: Yes (IEEE802.11b/g/n(2.4 GHz band))
		POWER SOURCE
		DC 3.6 V(supplied battery) / DC 5.0 V(supplied AC Adapter)
		BATTERY SYSTEM
		Rechargeable Battery Pack NP-BX1
		POWER CONSUMPTION (CAMERA MODE)
		Approx. 2.6 W with LCD monitor and approx. 3.0 W with viewfinder (CIPA standard)
		USB CHARGE/USB POWER SUPPLY
		Yes (Shooting, Playback)
		BATTERY LIFE(STILL IMAGES)(CIPA)
		Monitor:Approx. 220 / Approx. 110 min., ViewFinder:Approx. 210/Approx. 105 min.
		BATTERY LIFE(MOVIES ACTUAL SHOOTING)(CIPA)

			Monitor:Approx. 35 min., ViewFinder:Approx. 35 min.
			BATTERY LIFE(MOVIES CONTINUOUS SHOOTING)(CIPA)
			Monitor:Approx. 65 min., ViewFinder:Approx. 65 min.
			DIMENSIONS (W X H X D) (APPROX.)
			101.6x58.1x41.0 mm (4 in x 2 3/8 in x 1 5/8 in)
			WEIGHT (CIPA COMPLIANT)
			Approx. 299 g (10.5 oz)(Battery and Memory Stick Duo are included) / Approx. 272 g (9.6 oz)(Body Only)
94	1	pc	Digital Multimeter
			DCV: 400m/4/40/400/1000V
			ACV: 4/40/400/1000V $\pm(1.2\%+7)$
			DCA: 400 μ /4000 μ /40m/400m/4/10A
			ACA: 400 μ /4000 μ /40m/400m/4/10A
			Resistance: 400/4k/40k/400k/4M/40M Ω
			Capacitance: 50n/500n/5 μ /50 μ /100 μ F
			Frequency: 5/50/500/5k/50k/100kHz
			Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V
			Diode test: Open voltage:approx.1.5V
			Battery Check: Approximate value (30 Ω load) 1.5V battery only
			Display numeral display: 4000
			Sampling rate: 3 times/sec.
			Bandwidth: 40~400Hz (Sine wave)
			Fuse: 0.5A/1000V 30kA Φ 6.35x32mm 10A/1000V 30kA Φ 10x38mm
			Battery: R6Px2
			Battery life: Approx.400h (manganese battery) at DCV rangeSafety: IEC61010CAT. III 600V/CAT. II 1000VDCV: 400m/4/40/400/1000V
			ACV: 4/40/400/1000V $\pm(1.2\%+7)$
			DCA: 400 μ /4000 μ /40m/400m/4/10A
			ACA: 400 μ /4000 μ /40m/400m/4/10A
			Resistance: 400/4k/40k/400k/4M/40M Ω
			Capacitance: 50n/500n/5 μ /50 μ /100 μ F
			Frequency: 5/50/500/5k/50k/100kHz
			Continuity: Buzzer sounds and LED lights up at between 0 Ω and 85 Ω ($\pm 45\Omega$) . Open voltage:Approx. 0.4V
			Diode test: Open voltage:approx.1.5V
			Battery Check: Approximate value (30 Ω load) 1.5V battery only
			Display numeral display: 4000
			Sampling rate: 3 times/sec.
			Bandwidth: 40~400Hz (Sine wave)
			Fuse: 0.5A/1000V 30kA Φ 6.35x32mm 10A/1000V 30kA Φ 10x38mm
			Battery: R6Px2

			Battery life: Approx.400h (manganese battery) at DCV range
			Safety: IEC61010CAT. III 600V/CAT. II 1000V
95	1	lot	Electronics Tools and Instruments
			Digital Multimeter -> 10 units
			For measuring AC & DC current, resistance, capacitance, continuity, frequency, duty cycle and diode
			Toolbox -> 2 units
			Dimensions: 494 x 263 x 250 mm
			With removable tote tray
			Lineman Pliers Set -> 1 unit
			3-pc Set of Insulated Chrome Vanadium Steel of: Regular pliers, Long Nose pliers, and Diagonal Cutting pliers
			Extra Long Nose Pliers Set -> 1 unit
			1 pc. 0° Plier Length: 285mm/ 11.22inch.
			1 pc. 45° Plier Length: 280mm/ 11..02inch.
			1 pc. 90° Plier Length:265mm/ 10.43inch.
			1 pc. O Shape Plier Length: 275mm/ 10.83inch.
			Multi-functional automatic wire stripping pliers -> 1 unit
			Self-adjusting Automatic Wire Stripper/Cutting Pliers for wire stripping, cutting, crimping, and installing TAB Terminal
96	1	pc	HAIER HSU-18NSV13(DC) Board
			PCB NO.A 500201 - 100Q;
97	1	pc	Hard Drive (2 TB)
98	1	unit	Tablet 10.9", 64GB, Wifi + Cellular
			▣64GB Storage Capacity
			▣A14 Bionic chip with 64-bit architecture, Neural Engine
			▣10.9-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
			▣2360-by-1640-pixel resolution at 264 pixels per inch (ppi)
			▣Wide color display (P3)
			▣True Tone display
			▣Fingerprint-resistant oleophobic coating
			▣Fully laminated display
			▣Antireflective coating
			▣12MP Wide camera
			▣f/1.8 aperture
			▣Five-element lens
			▣Hybrid IR filter
			▣4K video recording at 24 fps, 30 fps, or 60 fps
			▣1080p HD video recording at 30 fps or 60 fps
			▣Slo-mo video support for 1080p at 120 fps or 240 fps
			▣7MP photos
			▣f/2.2 aperture

			<ul style="list-style-type: none"> ☑1080p HD video recording at 60 fps ☑Wide color capture for photos and Live Photos ☑Smart HDR ☑Stereo speakers ☑Dual microphones for calls, video recording, and audio recording ☑802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO ☑UMTS/HSPA/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz); GSM/EDGE (850, 900, 1800, 1900 MHz) ☑Gigabit-class LTE (Bands 1, 2, 3, 4, 5, 7, 8, 11, 12, 13, 14, 17, 18, 19, 20, 21, 25, 26, 29, 30, 34, 38, 39, 40, 41, 66, 71)4 ☑Bluetooth 5.0 technology
99	5	pc	<p>Temperature-Humidity Data Logger</p> <ul style="list-style-type: none"> ☑Portable and hand-held ☑16000 data recording capacity. ☑Adjustable record interval: 10s~24hour ☑Multi-function LCD ☑Internal NTC temperature thermal sensor with optional external sensor ☑Data export in PDF/EXCEL via data management software ☑Selectable °F/°C temperature unit ☑Size: approx. 84 (L) x 44(W) x 20 (H) mm ☑Good quality ☑Durable
100	1	pc	<p>UPS, Smart UPS, 2000VA</p> <ul style="list-style-type: none"> ☑Max Configurable Power (Watts): 1.6kWatts / 2.0kVA ☑Output Voltage Note: Configurable for 220 : 230 or 240 nominal output voltage ☑Efficiency at Full Load: 88.0 % ☑Output Frequency (sync to mains): 50/60 Hz +/- 3 Hz Sync to mains ☑Other Output Voltages: 220 V, 240 V\ ☑Load Crest Factor: 3 : 1 ☑Topology: Double conversion online ☑Input frequency: 40 - 70 Hz ☑Input voltage range for main operations: 110 - 285 Adjustable (half load), 160 - 280V ☑Number of Power Cords: 1 ☑Efficiency at Full Load: 88.0 % ☑Other Input Voltages: 220 V, 240 V ☑Waveform type: Sine wave ☑Bypass: Internal bypass (automatic and manual) ☑Battery type: Lead-acid battery ☑Typical recharge time: 4hour(s) ☑Battery Charge Power (Watts): 76 Watts

			☑Interface Port(s): DB-9 RS-232, USB
			☑Control panel: Multifunction LCD status and control console
			☑Audible Alarm: Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
			☑Surge energy rating: 600Joules
101	1	lot	Various Electronic Components and Supplies
			HDMI Cable -> 10 units
			10 meters
			830 breadboard set electronic component basic starter kit with breadboard cable resistor capacitor led potentiometer -> 20 units
			1 power supply
			1 830-point breadboard
			65 pcs jumper wires
			140 pcs solderless jumper wires
			20 pcs female-to-male dupont wire
			2 pcs pin header (40 pin)
			1 precision potentiometer
			2 photoresistors
			1 thermistor
			5 pcs rectifier diode (1N4007)
			5 pcs NPN transistor (PN2222)
			1 IC 4N35
			1 IC 74HC595
			1 active buzzer
			1 passive buzzer
			10 pcs button (small)
			10 pcs 22pF ceramic capacitor
			10 pcs 104 ceramic capacitor
			5 pcs electrolytic capacitor (10uF, 50V)
			5 pcs electrolytic capacitor (100uF, 50V)
			10 pcs white LED
			10 pcs yellow LED
			10 pcs blue LED
			10 pcs green LED
			10 pcs red LED
			10 pcs RGB LED
			10 pcs 10R resistor
			10 pcs 100R resistor
			10 pcs 220R resistor
			10 pcs 330R resistor
			10 pcs 1K resistor
			10 pcs 2K resistor
			10 pcs 5K1 resistor
			10 pcs 10K resistor
			10 pcs 10K resistor
			10 pcs 1M resistor

			Single-Sided Copper Clad Board FR4 With 35µm Copper Thick, 200 x 300 x 1.6mm -> 2 units
			PCB Developing Kit with Transfer Film -> 1 unit
			Non-Corrosive Soldering Paste (used for welding and desoldering) -> 1 unit
			Soldering Iron -> 6 units
			Mini Soldering Iron with Adjustable Temperature, 60W
			Soldering Iron Stand -> 6 units
			Stainless Steel spiral, 90mm long
			Desoldering Pump -> 2 units
			Replaceable and Self Cleaning tip
			Sealed vacuum chamber
			Microcontroller -> 10 units
			microcontroller board (ATmega328P based)
			14 digital inputs/outputs (six of which can be used as PWM outputs)
			six analog inputs
			has a 16MHz ceramic resonator
			has a USB-C connector
			has a reset button
			CIRCUIT OPERATING VOLTAGE: 5V
			INPUT VOLTAGE (LIMIT): 6-12V
			BATTERY CONNECTOR: None.
			DC CURRENT PER: I/O PIN 20 mA
			DC CURRENT FOR: 3.3V PIN 50 mA
			MAIN PROCESSOR: ATmega328P 16 MHz
			USB-SERIAL PROCESSOR: ATmega16U2 16 MHz
			MEMORY: ATMEGA328P 2KB SRAM, 32KB FLASH, 1KB EEPROM
102	1	unit	Wifi Access Point (Existing fleet of VSU Access Points)
			UAP-nanoHD
			Dimensions: 160 x 160 x 32.65 mm (6.30 x 6.30 x 1.29")
			Weight: 300 g (10.6 oz)
			With Mounting Kits: 315 g (11.1 oz)
			Networking Interface: (1) 10/100/1000 Ethernet Port
			Buttons: Reset
			Power Method: 802.3af PoE
			Power Supply: UniFi Switch (PoE)
			Power Save: Supported
			Beamforming: Supported
			Maximum Power Consumption: 10.5W
			Supported Voltage Range: 44 to 57VDC
			TX Power
			2.4 GHz: 23 dBm
			5 GHz: 26 dBm
			MIMO
			2.4 GHz: 2x2

			5 GHz: 4x4
			Radio Rates
			2.4 GHz: 300 Mbps
			5 GHz: 1733 Mbps
			Antennas
			2.4 GHz: (2) Single-Port, Single-Polarity Antennas, 2.8 dBi each
			5 GHz: (2) Single-Port, Dual-Polarity Antennas, 3 dBi each
			Wi-Fi Standards: 802.11 a/b/g/n/r/k/v/ac/ac-wave2
			Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES), 802.11w/PMF
			BSSID: 8 per Radio
			Mounting: Wall/Ceiling (Kits Included)
			Operating Temperature: -10 to 70 C (14 to 158 F)
			Operating Humidity: 5 to 95% Noncondensing
			Certifications: CE, FCC, IC
			Advanced Traffic Management
			VLAN: 802.1Q
			Advanced QoS: Per-User Rate Limiting
			Guest Traffic Isolation: Supported
			WMM: Voice, Video, Best Effort, and Background
			Concurrent Clients: 200+
			Supported Data Rates (Mbps)
			Standard Data Rates
			802.11a 6,9,12,18,24,36,48,54 Mbps
			802.11n 6.5 Mbps to 300 Mbps (MCS0-MCS15, HT 20/40)
			802.11ac 6.5 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2/3/4, VHT 20/40/80)
			58 Mbps to 1.7 Gbps (MCS0-MCS9 NSS1/2, VHT 160)
			802.11b 1, 2, 5.5, 11 Mbps
			802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps
103	2	unit	Large-Diaphragm Cardioid Condenser Microphone
			For Voice, Instruments, Drums, and Cabs
			<i>Cardioid Pattern Lessens Room Noise</i>
			<i>Switchable -10 dB Pad Hinders Distortion</i>
			<i>Low-Cut Filter Limits Bass Buildup</i>
			<i>Shockmount Inhibits Vibration Noise</i>
			<i>Large-Diaphragm True Condenser Capsule</i>
			<i>Handles Immense Sound Pressure Levels</i>
			<i>Includes Protective Case and Dust Cover</i>
			<i>XLR Output for Hookup to Mic Preamp</i>
			<i>Operates on 48V Phantom Power</i>
			Microphone
			<i>Form Factor: Large Diaphragm Mic / Stand/Boom Mount</i>
			<i>Intended Sound Sources: Vocals, Speech/Voice Over, Instrument</i>
			<i>Sound Field: Mono</i>
			<i>Operating Principle: Pressure Gradient</i>

			<i>Capsule: Condenser</i>
			<i>Polar Pattern: Cardioid</i>
			Performance
			<i>Frequency Range: 20 Hz to 20 kHz</i>
			<i>Maximum SPL: 145 dB SPL (1 kHz, 1% THD)</i>
			<i>155 dB SPL (1 kHz, 1% THD, with Pad)</i>
			<i>Impedance: 100 Ohms</i>
			<i>Sensitivity: -32 dBV/Pa</i>
			<i>Dynamic Range: 133 dB (1 kHz, at Max SPL)</i>
			<i>Signal-to-Noise Ratio: 82 dB (1 kHz)</i>
			<i>Equivalent Noise Level: 12 dB SPL A-Weighted</i>
			Power
			<i>Operating Voltage: 48 V (Phantom Power)</i>
			<i>Operating Current Consumption: 4.2 mA</i>
			Physical
			<i>Color: Black</i>
			<i>Mounting: Shockmount (Included)</i>
			<i>Included Case: Hard Case, Mic Sock</i>
			<i>Included Filters: None</i>
			<i>Dimensions: ø: 2.1 x L: 6.69" / ø: 5.3 x L: 16.99 cm</i>
			<i>Weight: 12.7 oz / 360 g</i>
104	4	units	SDI to HDMI Converter Bidirectional
			<i>"Video Inputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)</i>
			<i>Audio Inputs: None</i>
			<i>Video Outputs: 1 x BNC (3G-SDI), 1 x HDMI (HDMI 2.0)</i>
			<i>Audio Outputs: None</i>
			<i>Other I/O: 1 x USB-C Input</i>
			<i>Expansion Slots: None</i>
			<i>Embedded Audio: HDMI/SDI</i>
			<i>Power I/O: 1 x USB-C (4.4 to 5.2 VDC) Input</i>
			<i>Power Consumption: 2.5 W"</i>
105	2	sets	Headset, Over Ear, wired
			☑ <i>Wearing Type: Over-ear</i>
			☑ <i>Microphone: Yes</i>
			☑ <i>Volume Control: Yes</i>
			☑ <i>One Key Mute Button: Yes</i>
			☑ <i>Microphone: Omnidirectional</i>
			☑ <i>Plug Type: 3.5mm</i>
			☑ <i>Speaker Diameter: 50mm</i>
			☑ <i>Receive Sensitivity: 101dB</i>
			☑ <i>Impedance: 32Ω</i>
			☑ <i>Frequency Response: 20-20kHz</i>
106	1	pc	Speaker, for PC, 2.1 (Speaker with Subwoofer)
			☑ <i>Power Output : rms 4.5w×2 sw: 12w</i>
			☑ <i>Signal to noise ratio : 80dba</i>
			☑ <i>Frequency Response : 80hz~20khz (±6db)</i>

			<ul style="list-style-type: none"> ☐R/I: 300±50mv sw: 100 ± 20mv
			☐Aux/USB/SD card
			☐Bass driver :4 inch
			☐Treble driver :2 3/4 inch
107	1	pcs	Web Camera for Laptop and Desktop
			☐About 360 degrees, rotate up and down 45 degrees, you can adjust the angle.
			☐With clips for laptops and desktops.
			☐Sensor pixels: 2 million
			☐Interface: USB 2.0
			☐Frame rate: 30 FPS
			☐Image sensor: CMOS
			☐Brightness/color: automatically adjusts
			☐Additional features: built-in microphone
108	2	units	System Unit (CPU), Core i7 8GB RAM
			CPU: 9th Gen Intel Core i7-9700 (8-Core, 12MB Cache, up to 4.7GHz with Intel Turbo Boost Technology) or higher
			SDD: 256GB M.2 PCIe NVMe Solid State Drive or higher + 1TB 7200 rpm 3.5" SATA Hard Drive or higher
			RAM: at least 8GB (8GBx1) DDR4 2666MHz or higher
			Graphics: NVIDIA GeForce GTX 1650 4GB GDDR5 or higher
			ATX casing with 700W PSU
			With genuine Microsoft Office license.
			OS: at least Windows 10
109	2	units	VOIP Phone
			☐1-Line PoE+ SIP VOIP Phone SPA MAC address (IEEE 802.3) with lifetime warranty
			☐IPv4 (RFC 791)Integrated web server provides web-based administration and configuration
			☐Telephone keypad configuration via display menu/navigation
			☐Automated provisioning and upgrade via HTTPS, HTTP, TFTP
			☐Asynchronous notification of upgrade availability via NOTIFY
			☐Nonintrusive in-service upgrades
			☐Report generation and event logging
			☐Statistics transmitted in BYE message
			☐Syslog and debug server records: configurable per line
			☐Address Resolution Protocol (ARP)
			☐DNS: A record (RFC 1706), SRV record (RFC 2782)
			☐Dynamic Host Configuration Protocol (DHCP) client (RFC 2131)
			☐Internet Control Message Protocol (ICMP) (RFC 792)
			☐TCP (RFC 793)
			☐User Datagram Protocol (UDP) (RFC 768)
			☐Real-Time Transport Protocol (RTP) (RFC 1889, 1890)
			☐Real-Time Control Protocol (RTCP) (RFC 1889)

			☐Differentiated Services (DiffServ) (RFC 2475)
			☐Type of service (ToS) (RFC 791, 1349)
			☐VLAN tagging 802.1p/Q: Layer 2 quality of service (QoS)
			☐Simple Network Time Protocol (SNTP) (RFC 2030)SIP version 2 (RFC 3261, 3262, 3263, 3264)
			☐SPCP with the Cisco Unified Communications 500 Series
			☐SIP proxy redundancy: dynamic via DNS SRV, A records
			☐Reregistration with primary SIP proxy server
			☐SIP support in NAT networks (including STUN)
			☐SIPFrag (RFC 3420)
			☐Secure (encrypted) calling via SRTP
			☐Codec name assignment
			☐Voice algorithms:
			☐G.711 (A-law and μ -law)
			☐G.726 (16/24/32/40 kbps)
			☐G.729 A
			☐G.722
			☐Dynamic payload support
			☐Adjustable audio frames per packet
			☐Dual-tone multifrequency (DTMF), in-band and out-of-band (RFC 2833) (SIP INFO)
			☐Flexible dial plan support with interdigit timers
			☐IP address/URI dialing support
			☐Call progress tone generation
			☐Jitter buffer: adaptive
			☐Frame loss concealment
			☐Comfort Noise Generation (CNG)
			☐Voice activity detection (VAD) with silence suppression
			☐Attenuation/gain adjustments
			☐VMWI - Voicemail Waiting Indicator, via NOTIFY, SUBSCRIBE
			☐Caller ID support (name and number)
			☐Third-party call control (RFC 3725)
			☐Should be compatible with existing fleet of VSU IP Phones
110	3	pcs	Laptop Cooling Pad 14"
			1.one 14cm big LED light fan
			2.metal mesh material
			3. Powered by USB cable from laptop
			4.Support size:12"-14"laptop
			5.Color:black,
111	3	unit	Rechargeable Wireless Keyboard and Mouse Set
			☐Rechargeable Office Wireless Keyboard and Mouse Set
			☐Size: 284*121*16.mm
			☐Weight: 280g

			☑Connection method: USB receiver/Bluetooth
			Rebidding - VSU-GOODS-23-35
112	1	pc	Coffee Maker Machine, Touch-Screen 10-cups Programmable with Glass Carafe, Stainless Steel
113	1	unit	Colored Digital Photocopier
			Full color digital copier with network printing, color scanning and network fax
			Copy and print speed of 30 copies per minute, A4
			7-inch color touch screen panel
			CPU: dual core 1.2 GHz
			Paper size from A6R to Legal Size
			Standard memory capacity is 1GB, max 3GB Plus 128GB SSD option
			Paper capacity of 250 sheets cassette and 100 sheets multipurpose tray
			Built-in 75-sheets reversing document processor and stackless duplex unit
			Compatible with windows, makintosh and linux
			Scan to SMB/E-mail/FTP/USB host/Box, Network Twain scan and WSDScan
			Low power consumption Copying: 512w or less, Sleep mode: 0.6W
			Super G3Fax, Stand-alone network connection
			Maintenance Kit of 200,000 copies
			With lifetime service
114	30	unit	Cordless Kettle
			Electric Glass Kettle, Cordless
			HWK-118GI
			Power: 230V - 60Hz, 2000W
			Capacity: 1.8L
			360 degree rotary base, easy to use with high borosilicate glass body,
			Durable and stain resistant blue LED light indication when boiling Concealed stainless steel
			heating element Automatic one button cover starter boiling dry protection Automatically
			turns off when water boiled.
115	1	unit	Stencil Digital Duplicator Machine
			Print Speed: 60 - 90 Sheets Per Minute (2 Steps)
			Resolution: 300 x 300 dpi
			Printing Process: Fully Automatic One Drum Stencil System
			Minimum Print Paper Size: 90 x 140 mm
			Maximum Print Paper Size: 275 x 395 mm
			Print Paper Weight: 35.0-127.9 g/m2
			Print Area: Maximum 250 x 355 mm
			First Print Speed: Less Than 40 Seconds
			Features:
			Auto background correction, auto cycle, photo/letter mode, tint mode,

			SP mode (for technical service use only), combine two originals, spot colour printing with optional colour drum units.
			Options
			USB controller printer unit type VC-20
			Interface board type 20
			Colour drum type 20 (B4)
			Cabinet
			Consumables
			Priport™ master type (100 masters per roll, B4)
			Priport™ black ink type (500 ml)
			Digital Duplicator colour ink type II (600 ml): red, blue, yellow, green, purple,
			navy, brown, maroon, orange, teal
			CM ink (custom-made colours, 500 ml)
			Specifications:
			Image modes: Letter mode, Photo mode, Photo/Letter mode
			Image position: Vertical: ± 10 mm , Horizontal: ± 10 mm
			Reproduction ratios: Pre-set enlargement: 115, 122, Pre-set reduction: 71, 82, 87, 93%
			Zoom: No
			Colour printing: By replacing colour, drum
			Paper feed/delivery table: 500 sheets (80 g/m ²)
			Power source: 220-240 V, 50 – 60 Hz
			Power consumption
			Maximum: Master making: less than
			175 W
			Printing: Less than 175 W (at 90 sheets per minute)
			Standby: 35 W
			Dimensions (W x D x H): 1,232 x 672 x 519 mm
			Weight: 55kg
116	4	unit	Microwave Oven, 20L
			20-Liter
			220V
			Electronic Control
			LCD Display
			700w microwave power
			6 autocook functions
			Reheat and defrost capacity
			Dimension: (h:w:d) 10.35 x 18 x 14 in
			Warranty: One year on service, 2 years on parts
117	1	unit	Paper shredder machine, heavy duty
			■ Shred Type: Cross Cut
			■ Maximum Sheet capacity(70gsm) : 10 Sheets
			■ Waste Container capacity: 21 Liters
			■ Power Source: 220 - 240 VAC
118	2	unit	Washing Machine Heavy DutyWasher
			15 kg. IEC Rated Capacity U.S Heavy Duty Washer
			11 Wash Cycles

			Quick Wash Cycle	
			Whites Cycle	
			Delicate Cycle	
			6th Sense Technology	
			Dual Action Agitator	
			Fabcon Dispenser	
			Liquid Bleach Dispenser	
			Mechanical Control panel	
			Deep Water Wash System	
			Soil Level Selection	
			Wash Temperature Selection	
			Load Size Selection	
			Extra Rinse Selection	
			Galvanized Heavy Duty Body	
			White Porcelain Tub	
			Child Lid Lock	
			Color: White	
			Dimension (h:w:d) 109.22 : 69.85 : 68.58 cm	

***Section VIII. Checklist of Technical and
Financial Documents***

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least Three Million Four Hundred Thirty One Thousand One hundred Seventy Seven Pesos (PhP 3,431,177.00)*; **or**
Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC or at least Three Million Four Hundred Thirty One Thousand One hundred Seventy Seven Pesos (PhP 3,431,177.00)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least One Million Seven Hundred Fifteen Thousand Five Hundred Eighty Eight and 50/100 Pesos (PhP 1,715,588.50)*; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**
Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Technical Specifications; **and**
- (f) Schedule of Requirements/production and delivery schedule; **and**
- (g) Manpower requirements; **and**
- (h) After-sales service/parts; **and**
-
- (i) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (j) The Supplier’s audited financial statements, showing, among others, the Supplier’s total and current assets and liabilities, stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of

- bid submission; **and**
- (k) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 6,862,354.00**);
or,
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 686,235.40**).

II. FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

Guidelines on the Preparation of Electronic Bid (e-Bid)
(for bidders who prefer electronic bid submission)

1. Scan per file all documents into Portable Document Format (PDF) and should be printable.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
5. Bid Security	Bid Security
6. Technical Specifications	Technical Specifications
7. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
8. Manpower Requirements	Manpower Requirements
9. After Sales service/parts	After Sales
10. Omnibus Sworn Statement	Omnibus Sworn Statement
11. Audited Financial Statements	Audited Financial Statements
12. Net Financial Contracting Capacity	NFCC
13. Committed Line of Credit	CLC
14. Bid Form	Bid Form
15. Price Schedule	Price Schedule

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Mr. Leopoldo S. Escala Jr. at leopoldo.escala@vsu.edu.ph on or before the deadline (November 9, 2023; 8:30 AM).



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