



BID BULLETIN 01

Date: April 5, 2024
Project Title: Supply and Delivery IT Equipment and Supplies (VSU-GOODS-24-32)
Location: VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

I. LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php 2,190,649.50 .)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 2,190,649.50 and the largest of which should be at least Php 1,095,324.75
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php 4,381,299.00)
	Or
	Committed Line of Credit (at least Php 438,129.90)
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



Please take note:

1. In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** 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 Bidders 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 provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

2. Bidders are advised to use the latest GPPB forms for the following documents:

- a) Omnibus Sworn Statement
- b) Performance Securing Declaration (if applicable)
- c) Price Schedule for Goods Offered
- d) Bid Form
- e) Bid Securing Declaration

These forms can be accessed from the GPPB website: <https://www.gppb.gov.ph/downloadables.php>. Documents that are not in its updated/latest format shall be a ground for disqualification of the bidder.

II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)

- 1. **Scan per document** into Portable Document Format (PDF) and should be printable.
- 2. Properly label all scanned 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/ 8. Production and delivery schedule	Schedule of Requirements
9. Manpower Requirements	Manpower Requirements
10. After Sales service/parts	After Sales
11. Omnibus Sworn Statement	Omnibus Sworn Statement
12. Audited Financial Statements	Audited Financial Statements
13. Net Financial Contracting Capacity	NFCC
14. Committed Line of Credit	CLC
15. Bid Form	Bid Form
16. 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 Ms. Jessamine C. Ecleo at jessamine.ecleo@vsu.edu.ph before the deadline.

III. Changes in the Bidding Documents

Original	
<p>Section I. Invitation to Bid</p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 26 March – 16 April 2024 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 Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p>	<p><i>(Amendment)</i></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 26 March – 16 April 2024 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 Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means:</p> <p>The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p>Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to jessamine.ecleo@vsu.edu.ph</p>
<p>Section II. Instructions to Bidders</p> <p>15. Sealing and Marking of Bids</p>	<p><i>(Additional Instructions)</i></p> <p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</p> <p>For filing purposes, the bidders are urged to use Orange envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>



IV. Revised List of Goods and Technical Specifications

- Some Specifications were added (in red font) and/or deleted (in blue font)
- Some Quantities and Unit Prices (ABC) were changed

Item #	Description	Unit	Qty	Unit Price	Total Price
1	1000W Automatic Voltage Regulator	pc	5	5,500.00	27,500.00
	<i>1000W, Servo motor type, 2-universal outlets (220V), 1-universal outlet (110V).</i>				
2	2.5" Internal Solid State Drive (SSD)	pc	20	5,000.00	100,000.00
	<i>Specifications:</i>				
	<i>at least 500 GB, SATA III, sequential read speed up to 560 MB/s, sequential write speed up to 530 MB/s</i>				
3	24-inch Desktop Monitor	pc	5	9,000.00	45,000.00
	<i>23.8" Full HD (1920x1080), 100 Hz, IPS, VESA-wall mountable, low blue light filter, and flicker-free technology</i>				
	<i>Accessories: power cable, HDMI cable.</i>				
4	3D PRINTER	set	1	50,000.00	50,000.00
	<i>Technical Specifications:</i>				
	<i>●Extrusion Tech: Independent Dual Direct Drive Metal Extruder (IDEX)</i>				
	<i>●Build Size: 300mm x 300mm x 400mm</i>				
	<i>●Build Plate Size: 310mm*320mm</i>				
	<i>●Printer Size: 653mm*625mm*803mm (Including the filament holder)</i>				
	<i>●Package Size: 730mm*710mm*310mm</i>				
	<i>●Net Weight: 15kg ●Printing Accuracy: ±0.1mm</i>				
	<i>●Positioning Accuracy: X/Y: 0.012mm, Z: 0.001mm</i>				
	<i>●Supported Print Materials: PLA, TPU, TPE, HIPS, ABS, PETG, WOOD, PC, PA, PVA, ASA</i>				
	<i>●Print Speed: 20~120mm/s (suggested 60mm/s)</i>				
	<i>●Stock Nozzle Diameter: 0.4 mm</i>				
	<i>●Operational Extruder Temperature: Max 260°C</i>				
	<i>●Operational Hotbed Temperature: Max 100°C</i>				
	<i>●Input Formats: STL, OBJ, DAE, AMF</i>				
	<i>●Ambient Operating Temperature: 8°C-40°C</i>				
	<i>●Connectivity: SD Card or Data Cable</i>				
	<i>●7 Step Motors: 42-40 Step Motor*1, 42-34 Step Motor*4, 42-29 Step Motor*2</i>				
5	3-in-1 Printer	pc	1	11,000.00	11,000.00
	<i>Power Consumption: 13 Watt, 3.8 Watt (Standby)</i>				
	<i>Product dimensions: 482 x 300 x 145 mm (Width x Height x Depth)</i>				
	<i>Colour: Black</i>				
	<i>Printer Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64</i>				
	<i>Scanner Driver: Windows XP, Windows x64, Windows Vista,</i>				



	Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64				
	Driver: Windows XP, Windows x64, Windows Vista, Windows Vista x64, Windows 7, Windows 7 x64, Windows 8, Windows 8 x64, Windows 8.1, Windows 8.1 x64, Windows 10, Windows 10 x64				
	Print Speed (Black & White): 9 pages/minute				
	Print Speed (Colour): 4 pages/minute				
	Number of Cartridges: 4				
	Built-in Scanner: Available				
	A4: Available				
	Letter: Available				
	A5: Available				
	USB Port: Available				
6	5000W Automatic Voltage Regulator	pc	3	9,500.00	28,500.00
	5000W, 220V, Servo motor type;				
7	All-in-One Ink Tank Printer Wi-Fi Duplex with ADF	unit	1	24,500.00	24,500.00
	☑Compact integrated tank design				
	☑Print speeds up to 15ipm for black and 8.0ipm for colour				
	☑Auto-duplex printing Fax and ADF capability / Ethernet &				
	☑Wi-Fi Direct				
	☑Borderless Printing up to A4 size				
	☑Spill-free ink refilling				
	☑Control Panel: 2.4 " Colour LCD Touch Panel				
8	All-in-One Ink Tank Printer with ADF	pc	2	15,500.00	31,000.00
9	Automatic Voltage Regulatory (AVR), 1500W, heavy duty	unit	3	7,000.00	21,000.00
	☑Input: 220volts				
	☑Power: 1500watts				
	☑Output: 110-220 volts				
	☑Range voltage 120v-220 volts				
	☑Servo motor controlled				
10	Cisco VOIP phone	pc	13	20,000.00	260,000.00
	Cisco CP-7821-3PCC or Cisco CP-6821-3PCC				
	2 channels with power supply (Existing VSU IPPhone Fleet)				
11	Computer Monitor 24", IPS, Bezel-less Full HD Monitor	set	11	10,500.00	115,500.00
	☑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)				
12	Computer Printer, All-in-One/Multifunction Colored-Ink Tank	unit	2	14,000.00	28,000.00
	☑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				
13	Desktop Computer (i3, 11th Gen) or higher	set	1	40,000.00	40,000.00
	Processor: Intel Core i3-11300 (4cores/8threads)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	Desktop computer unit only (ready to use)	unit	5	30,000.00	150,000.00
	Fully assembled with motherboard and case; Drivers and Windows 10/11 (64-bit) OS installed, with power cable, ready to use.				
	Processor: 6 cores, 12 threads, 3.9-4.4 GHz, Multithreading, 16 MB L3 cache, with integrated graphics, compatible with Windows 11 (64-bit), compatible with PCIe 3.0.				
	RAM: 2 x 8GB (at least 3000 MHz)				
	Storage: at least 480GB, NVMe M.2, PCIe Gen 4.0				
15	Desktop Computer, 12Gen Core i5, 16GB RAM, RTX 3050 no Monitor or higher	unit	2	49,000.00	98,000.00
	☑Processor: Intel® i5-12400F Total Cores: 6, Threads: 12, Max Turbo Frequency: 4.40Ghz, Performance Core Base Frequency: 2.5Ghz, Cache: 18MB 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 CL16, Intel® XMP-ready and XMP Certified, Low-profile heat spreader design or higher				
	☑SSD: 512 GB M.2 2280 Form Factor PCIe Gen3x4 Interface, read up to :1700 MB, write up: 1550 MB/s or higher				
	☑Casing: mATX/ATX casing with transparent acrylic side panels and Cooler Fan Support: front panel 3*120mm/top 2*120mm/rear 1*120mm				
	☑Graphics Processor: NVIDIA® GeForce RTX™ 3050,Bus				



	Standard: PCI Express 4.0				
	☑OpenGL: OpenGL®4.6, Video Memory: 8GB GDDR6				
	☑PSU:550w, True Rated Power Supply 80 plus Bronze Rated PSU for Micro ATX and ATX casing or higher				
16	Desktop Computer, Assembled, 12th Gen Core i5 or higher, SSD and HDD	set	1	49,000.00	49,000.00
	☑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				
	☑Operating system: Genuine Windows 11				
17	Desktop Computer, with Monitor, Core i5 12th Gen, 8GB RAM or higher	set	1	49,000.00	49,000.00
	☑Processor: 12th Generation Intel® Core™ i5-12400 Processor(2.50 GHz up tp 4.40 GHz) or higher				
	☑Motherboard: Intel® H610 Express Chipset Micro ATX Motherboard, with 6+1+1 Hybrid Digital VRM, High quality capacitors and Anti-sulfur resistors or higher				
	☑Operating System: Genuine Windows 11 Home 64				
	☑Memory: 8 GB DDR4-3200MHz (UDIMM) or higher				
	☑Graphics: Integrated Graphics				
	☑SSD: 256 GB SSD M.2 2280 PCIe or higher				
	☑Casing: mATX casing				
	☑Power supply: at least 450W, True Rated 80+ Bronze				
	☑Monitor: 24" FHD (1920 x 1080) IPS Monitor, NTSC 72%, 5ms response time, 60Hz				
18	Digital Voice Recorder	unit	3	7,500.00	22,500.00
	Built-in USB Black				
	Micro card slot				
	Stereo mic-in jack				
	Stereo earphone jack				
19	DJ Controller	set	1	25,000.00	25,000.00
	☑4-deck layering DJ controller				
	☑(6) Fun, quick-launch effects with dual paddle triggers				
	☑Large 6-inch, high-resolution capacitive-touch jog wheels with color displays				
	☑Dedicated instant loop control with multiplier buttons				



	☑Full 3-band EQ and filter knobs to create audio sweeps				
	☑(8) Performance pads per deck to access cues, loops, fader cuts and samples				
	☑24-bit audio output				
	☑Microphone input, RCA output and headphone output				
20	Epson 001 ink, Black, 127ml, Genuine	btl	10	600.00	6,000.00
21	Epson 001 ink, Cyan, Genuine	btl	10	350.00	3,500.00
22	Epson 001 ink, Magenta, Genuine	btl	6	350.00	2,100.00
23	Epson 001 ink, Yellow, Genuine	btl	10	350.00	3,500.00
24	Full layout wired Keyboard	pc	5	2,500.00	12,500.00
	<i>Full layout (100%, at least 104 keys), USB 2.0 1000Hz, 19-keys-rollover anti-ghosting, 5-zone RGB lighting.</i>				
25	Hard Drive, External, 2TB, USB 3.0, 5.0 Gbit/s Transfer Rate or Better	unit	1	3,500.00	3,500.00
26	HDMI Cable, 10m	pc	1	1,000.00	1,000.00
	☑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 band-width				
	☑HDMI AV cable for HDTV				
	☑HDMI EMI/RFI Compliant Cable				
	☑24k GOLD plated HDMI plugs				
	☑ROHS compliant cable.				
27	HDMI to HDMI Cable 3 meters	pc	20	600.00	12,000.00
28	HDMI to HDMI cable, 20 meters	pc	4	1,300.00	5,200.00
	<i>Length: 20 Meters</i>				
	<i>High Quality Pure Copper</i>				
	<i>HDMI Male to HDMI Male</i>				
	<i>Transfers at speeds up to 10.2 Gbps</i>				
	<i>Gold plated 19 pin HDMI connectors; oxygen-free copper cable</i>				
	<i>PVC jacket with high visibility nylon braiding</i>				
29	Headphone, Professional, Studio Grade,	unit	2	1,000.00	2,000.00
	☑Type: Closed-back dynamic				
	☑Driver Diameter: 40 mm				
	☑Frequency Response: 15 - 24,000 Hz				
	☑Maximum Input Power: 1,600 mW at 1 kHz				
	☑Sensitivity: 98 dB				
	☑Impedance: 35 ohms				
	☑Cable Includes two interchangeable cables: detachable 1.2 m - 3.0 m (3.9' - 9.8') coiled cable and detachable 3.0 m (9.8') straight cable				
	☑Cable - Detachable: Yes				
	☑Magnet: Neodymium				
	☑Voice Coil: CCAW (Copper-clad aluminum wire)				
	☑Folding/collapsible: Yes				
	☑Accessories Included Protective carrying pouch, 6.3 mm (1/4") screw-on adapter				



30	Ink, Epson 003,Genuine Black 65mL	btl	21	350.00	7,350.00
31	Ink, EPSON 003,Genuine Cyan 65mL	btl	15	350.00	5,250.00
32	Ink, EPSON 003,Genuine Magenta 65mL	btl	15	350.00	5,250.00
33	Ink, EPSON 003,Genuine Yellow 65mL	btl	15	350.00	5,250.00
34	Ink, Epson, genuine (C) T664, 70 ml	pc	6	350.00	2,100.00
35	Ink, Epson, genuine (M) T664, 70 ml	pc	7	350.00	2,450.00
36	Ink, Epson, genuine, (BK) T664, 70 ml	pc	9	350.00	3,150.00
37	Ink, Epson, genuine, (Y) T664, 70 ml	pc	6	350.00	2,100.00
38	Keyboard And Mouse Combo Bundle, USB powered	set	2	800.00	1,600.00
	☑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				
39	Laptop 14" (i3)	unit	1	38,000.00	38,000.00
	☑Processor : Intel Core i3-1005G1 Processor 4M Cache, up to 3.40 GHz or higher				
	☑Operating System : Windows 10 Home				
	☑Memory : 4GB Onboard memory, 1 x SO-DIMM socket , total up to 8 GB SDRAM or higher				
	☑Display : 14.0" (16:9) LED-backlit HD (1366x768) 60Hz Anti-Glare Panel with 45% NTSC				
	☑Graphics : Integrated Intel UHD Graphics				
	☑Storage : 512GB PCIe Gen3 x2 SSD or higher				
	☑Networking : Integrated Wi-Fi 5 (802.11 ac) Bluetooth 5.0				
	☑Battery : 2 -Cell 32 Wh lithium-polymer battery				
	with bag(backpack)				
40	Laptop, 12th Gen i5, 8GB RAM	unit	1	55,000.00	55,000.00
	Processor: 12th Generation Intel® Core™ i5-12450H Processor (E-cores up to 3.30 GHz P-cores up to 4.40 GHz) or higher				
	Operating System: Windows 11 Home 64 Single Language				
	Graphic Card: Integrated Graphics				
	Memory: 8 GB LPDDR5-4800MHz or higher				
	Storage: 512 GB SSD M.2 2242 PCIe Gen4 TLC or higher				
	Display: 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 300 nits, Narrow Bezel				
	Camera: 1080P FHD with Dual Microphone				
	Battery: 3 Cell Li-Polymer 56.6Wh				
	AC Adapter / Power Supply: 65W USB-C 90% PCC 3pin AC				



	Adapter - US				
	Fingerprint Reader: No Fingerprint Reader				
	with bag(backpack)				
41	LCD Projector (XGA), 3LCD Technology	unit	9	28,000.00	252,000.00
	☐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				
42	LCD Projector SVGA	lot	1	75,000.00	75,000.00
	3 units of LCD Projector				
	☐Projection System: 3LCD Technology, RGB liquid crystal shutter				
	☐Resolution: SVGA (800x600), 4:3				
	☐Light Output: 3,300 Lumen- 2,050 Lumen (economy)				
	☐Contrast Ratio: 15,000:1				
	☐Lamp: 210 W				
	☐Lamp Hours: 6,000-10,000				
	With projector screen each				
43	LCD Projector, 3LCD Technology	unit	2	28,000.00	56,000.00
	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)				
	Light source: 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				
44	LCD Projector, XGA (1024x768)	unit	4	27,000.00	108,000.00
	☐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				
45	Multi-Function Business Inkjet Color Printer	unit	1	17,000.00	17,000.00
	Specs:				
	Print, Scan Copy, Fax				
	Inkjet Printer				
	530 mm x 398 x 304 mm				
	Up to 22 (monochrome) /20 (color) ipm (Based on ISO/IEC 24734*)				
	Up to 35 (monochrome) / 27 (color) ppm (Based on Fast Mode)				
46	Presentation Clicker/Pointer	pc	1	2,200.00	2,200.00
	R400 2.4 GHz USB-Receiver Red Laser Pointer Wireless Presentation Remote				
47	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				
	☑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				
48	Printer, Wi-Fi Duplex All-in-One Ink	pc	1	18,000.00	18,000.00
	Printer Type:Print, Scan, Copy				
	Print Method:On-demand inkjet (piezoelectric)				
	Printer Language:ESC/P-R, ESC/P Raster				



	Nozzle Configuration:180 x 1 nozzles Black, 59 x 1 nozzles per Colour (Cyan, Magenta, Yellow)				
	Maximum Resolution:5760 x 1440 dpi				
	Automatic 2-sided Printing:Yes (Up to A4)				
	Scanner Type:Flatbed colour image scanner				
	Sensor Type:CIS				
	Optical Resolution:1200 x 2400 dpi				
	USB:USB 2.0				
	Network:Wi-Fi IEEE 802.11b/g/n, Wi-Fi Direct				
	Network Protocol:TCP/IPv4, TCP/IPv6				
	LCD Screen:1.44" Colour LCD Screen				
49	Projector Screen 100-inch pull up projector screen with stand	pc	3	13,000.00	39,000.00
50	RAM DDR3	pc	1	4,500.00	4,500.00
	RAM				
	DDR3				
	8GB, 1600Mhz				
51	Rechargeable Wireless Keyboard and Mouse Set	unit	13	1,900.00	24,700.00
	☑Rechargeable Office Wireless Keyboard and Mouse Set				
	☑Size: 284*121*16.mm				
	☑Weight: 280g				
	☑Connection method: USB receiver/Bluetooth				
52	SDS: 8417M-delete Micro Cut Paper Shredder	unit	1	10,800.00	10,800.00
	Paper Shredder				
	Features:				
	- Sheets / Pass: 17 Pages				
	- Cut Type: Micro-Cut				
	- Cut Size: 2mmx10mm				
	- Security: High Security Level Din-P-5				
	- Users: 5+				
	- Bin Size: 26L				
	- Safety: Safe touch function - stops shredder immediately when hand is detected too close to the paper opening				
	- Shreds: Paper, staples, paper clips, CDs, credit cards				
	- Warranty: 1 Year				
	- LCD display, retractable cover guard, easy carry handles, bin level indicator, easy roll wheels				
	What's in the box				
	1 x Shredder				
	1 x Manual				
53	Solid State Drive, 500GB, 2,5", SATA or higher	pc	1	4,500.00	4,500.00
	*Read Speed: 560 MB				
	*Write Speed: 530MB				
	*5 year limited warranty				
	*Compatible with Laptop and desktop				
54	Sony Electret Condenser Microphone for lapel mic	pc	3	17,000.00	51,000.00
	3.5 mm connector, Compatible with existing device				
55	Toner MP 2014H NRG Brand	btl	2	5,000.00	10,000.00
	MP2014H Series/MP2700/MP2701;				



56	Uninterruptible Power Supply (UPS) <i>1000VA / 600 Watts, Line interactive with AVR, 4 outlets</i>	unit	10	7,000.00	70,000.00
57	UPS <input checked="" type="checkbox"/> Output Power Capacity: 550 Watts/1100 VA <input checked="" type="checkbox"/> Max Configurable Power: 550 Watts/1100 VA 2 years' warranty <input checked="" type="checkbox"/> Nominal Output Voltage: 230V <input checked="" type="checkbox"/> Output Connections:(2) IEC 320 C13 (Battery Backup) (4) Universal Receptacle (Battery Backup) <input checked="" type="checkbox"/> Nominal Input Voltage: 230V <input checked="" type="checkbox"/> At most 4 hours charging time	unit	1	7,000.00	7,000.00
58	UPS 650VA-360W Uninterruptible Power Supply <i>Quick Specs: 4 outlets (4 NEMA 5-15R), 650VA/360W, AVR Technology, Surge Protection, Easy to use</i> <i>Output Capacity: 650VA/360W</i> <i>Output (on battery): 230V +/- 10%, 50/60Hz +/- 1Hz</i> <i>Input Voltage Range: 140V-300V, 50/60Hz +/- 5Hz (auto sensing)</i> <i>Surge: 156 J</i> <i>Battery recharge time: 8 hours</i> <i>No. of Outlets: 4 NEMA 5-15R Battery Backup Outlets</i> <i>Dimension: 14.2 cm x 10.1 cm x 30 cm</i> <i>Battery Type: Lead-Acid</i>	unit	2	3,000.00	6,000.00
59	UPS Battery Backup, 1500VA <input checked="" type="checkbox"/> Capacity: at least 1500VA/900w <i>Output voltage: 220</i> <i>Output frequency: 57-63 Hz for 60 Hz (or 50/60 Hz ± 3 Hz Sync to mains)</i> <i>Input: 200 – 240 V, 50/60 HZ, 16.0 A maximum</i> <i>Input frequency: 50/60 Hz +/- 3 Hz Auto-sensing</i> <input checked="" type="checkbox"/> 6 battery backup sockets <input checked="" type="checkbox"/> USB, coax, phone/network, and serial ports <input checked="" type="checkbox"/> with Automatic Voltage Regulation (AVR) <input checked="" type="checkbox"/> LCD screen <input checked="" type="checkbox"/> at most 4 hours charging time	unit	1	10,000.00	10,000.00
60	UPS with Built-in AVR <i>4 units of UPS with built-in AVR</i> Description: <i>-CPU controlled</i> <i>-Advanced AVR technology</i> <i>-Surge protection</i> <i>-Battery backup</i> <i>-Auto charge in power off mode</i> <i>-Overload and short circuit protection</i> <i>-Resettable Fuse on back panel</i> <i>-LCD display and Audible alarm</i> <i>-3000VA</i> <i>-4 Outlets</i> <i>-Up to 120 Minutes Runtime</i>	lot	1	85,000.00	85,000.00



	-AVR				
	Specifications:				
	Input:				
	Voltage: 220V				
	Voltage Range: 175-275V				
	Frequency: 50Hz/60Hz				
	Output:				
	Capacity (Total): 3000VA/1800W				
	Voltage (On Battery): 220V+-5%				
	Frequency: 50Hz/60Hz Sync with Utility Power				
	Transfer Time: 2-6ms Typical				
	Wave Form: Simulated Sine Wave				
	Connection: Universal Outlet x4				
	Battery:				
	Type: Maintenance-Free Sealed Lead-Acid				
	Capacity: 12v/9AHx4				
	Recharging Time: 8Hours > 90%				
	Back up Time (1PC): Up to 120 minutes (Depending on Load)				
61	UPS, 1000 VA	unit	2	4,000.00	8,000.00
	☑1000VA/600W capacity				
	☑Frequency Range: 60 Hz				
	☑Freq. Range (Batt. Mode): 60 Hz ± 1 Hz				
	☑Transfer Time: Typical 4-8 ms				
	☑Waveform (Batt. Mode): Simulated Sine Wave				
	☑Back-up Runtime: 10-15 mins				
	☑Voltage: 220 VAC				
	☑Voltage Range: 162-270 VAC				
62	VOIP Phone	unit	1	20,000.00	20,000.00
	Audio Features				
	• HD voice: HD handset, HD speaker				
	• Smart Noise Filtering				
	• Narrowband codec: PCMU (G.711A), PCMA (G.711μ), G.723.1, G.729, G.729A, G.729B, G.729AB, G.726, iLBC				
	• DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO				
	• Full-duplex hands-free speakerphone with AEC				
	• VAD, CNG, AEC, PLC, AJB, AGC				
	Phone Features				
	• 2 VoIP accounts				
	• Call hold, mute, DND				
	• One-touch speed dial, hotline				
	• Call forward, call waiting, call transfer				
	• Group listening, SMS, emergency call				
	• Redial, call return, auto answer				
	• Local 5-way conferencing				
	• Direct IP call without SIP proxy				
	• Ring tone selection/import/delete				
	• Set date time manually or automatically				



	• Dial plan				
	• XML Browser, action URL/URI				
	• Integrated screenshots				
	• RTCP-XR, VQ-RTCPXR				
	• Enhanced DSS Key				
	Directory				
	• Local phonebook up to 1000 entries				
	• Black list				
	• XML/LDAP remote phonebook				
	• Smart dialing				
	• Phonebook search/import/export				
	• Call history: dialed/received/missed/forwarded				
	IP-PBX Features				
	• Busy Lamp Field (BLF), Bridged Line Appearance (BLA)				
	• Anonymous call, anonymous call rejection				
	• Hot-desking, voice mail				
	• Flexible seating				
	• Call park, call pickup				
	• Executive and Assistant				
	• Centralized call recording				
	• Visual voice mail				
	• Call recording				
	Display and Indicator				
	• 2.3" 132x64-pixel graphical LCD with backlight				
	• LED for call and message waiting indication				
	• Dual-color (red or green) illuminated LEDs for line status information				
	• Intuitive user interface with icons and soft keys				
	• Multilingual user interface				
	• Caller ID with name and number				
	• Power saving				
	Feature keys				
	• 2 line keys with LED				
	• 6 feature keys: transfer, message, headset, redial, mute, hands-free speakerphone				
	• 5 navigation keys				
	• Volume control keys				
	Interface				
	• Dual-port Gigabit Ethernet				
	• Power over Ethernet (IEEE 802.3af), class 1*				
	• 1 x RJ9 (4P4C) handset port				
	• 1 x RJ9 (4P4C) headset port				
	Other Physical Features				
	• Color: Classic Grey				
	• Wall mountable				
	• External Yealink AC adapter				
	AC 100-240 V input and DC 5 V/0.6 A output				
	• Power consumption (PSU): 2-3 W				



	• Power consumption (PoE): 3-4 W				
	• Dimension (W x D x H x T): 188 x 189 x 162 x 50 mm				
	• Operating humidity: 10-95%				
	• Operating temperature: -10 to +45°C (+14 to 113°F)				
	• Storage temperature: -30 to +70°C (-22 to +158°F)				
	Management				
	• Configuration: browser/phone/auto-provision				
	• Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy				
	• Auto-provision with PnP				
	• Zero-sp-touch, TR-069				
	• Phone lock for personal privacy protection				
	• Reset to factory, reboot				
	• Package tracing export, system log				
	Network and Security				
	• SIP v1 (RFC2543), v2 (RFC3261)				
	• Call server redundancy supported				
	• NAT traversal: STUN mode				
	• Proxy mode and peer-to-peer SIP link mode				
	• IP assignment: static/DHCP				
	• HTTP/HTTPS web server				
	• Time and date synchronization using SNTP				
	• UDP/TCP/DNS-SRV (RFC 3263)				
	• QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP				
	• SRTP for voice				
	• Transport Layer Security (TLS 1.3)				
	• HTTPS certificate manager				
	• AES encryption for configuration file (AES256)				
	• Digest authentication				
	• OpenVPN, IEEE802.1X, L2TP VPN				
	• IPv6				
	• LLDP/CDP/DHCP VLAN				
	• ICE				
	• WPA2/WPA3				
	• Secure boot				
	• GARP (Generic Attribute Registration Protocol)				
	NOTE: Must be compatible with existing Yearstar S300 Server for auto provisioning				
63	Wired Mouse	pc	5	2,500.00	12,500.00
	200-8000 DPI with DPI button, with 2 thumb buttons.				
64	Biometrics Machine	unit	50	12,000.00	600,000.00
	Face Recognition/Fingerprint Time Attendance Recorder				
	High-Speed Identification Less than 1 second				
	TCP/IP Port for Internet Connection				
	Access Port Available to control one lock and exit button				
	Easy to install and user friendly				
65	Voice Recorder	pc	3	5,500.00	16,500.00
	Built-in, Direct USB connection for quick file transfer to PC				
	Expand memory with the micro SD card slot Up to 55 hours of				



	battery life for extended recording Adjustable microphone range for clearer voices Auto voice recording reduces background noise				
	size AAA alkaline batteries (2)				
	Just plug straight into a free USB port for an immediate connection—no USB cable needed.				
66	Laptop, Intel Core i7-13700H, OS: Windows 11 Pro or higher	unit	1	120,000.00	120,000.00
	CPU: Intel Core i7-13700H OS: Windows 11 Pro (licensed) or higher				
	RAM: 16GB (2x 8GB), DDR5, 4800MHz or higher				
	Storage: 1TB M.2 PCIe NVMe SSD or higher				
	GPU: NVIDIA GeForce RTX 4050, 6GB, GDDR6 Display: 15.6" FHD+ (1920 x 1080), Non-Touch, Anti-Glare, 500units, Infinity Edge or higher				
	Ports: 1 USB 3.2 Gen 2 Type-C port with DisplayPort, 2 Thunderbolt 4 (USB Type-C 3.2 Gen 2) Ports, 1 Headset (Headphone and microphone combo) Port, 1USB-C to USB-A v3.0 & HDMI V2.0 adapter (include in the box)				
	Slots: 1 SD Card slot, 1 Wedge-shape lock slot Camera: 720p at 30 fps, HD camera & dual-array microphones				
	Battery: 6 Cell, 86Wh, Integrated Power: 130W type-C Adapter				
	MS Office: MS Office 2021 Professional				
	One year warranty on parts and services. Local authorized service provider should be available and identified/provided for in the BID offer.				
	Freebies: Laptop Bag				
	Rebidding - VSU-GOODS-23-46				
67	Android Smartphone	unit	1	10,000.00	10,000.00
	Specification:				
	—Chipset: Mediatek Helio G80 (12 nm)				
	—Operating system: Android 10 or latest				
	—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)				
68	Camera with 28-70 mm Zoom Lens	unit	1	132,000.00	132,000.00
	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				
	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/ML) / Expanded Flexible Spot/ Lock-on AF (Wide / Zone / Center / Flexible Spot (S/ML)/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				



	<i>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 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>				



	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)910				
	Battery Life (Movie, continuous recording): Approx. 200 min (Viewfinder) / Approx. 210 min (LCD monitor) (CIPA standard)911				
	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)				
	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)				
	USB Power Supply: Yes (Available with Multi/Micro USB Terminal or USB Type-C Terminal)				
	Size & Weight				
	Weight (with battery and memory card included): Approx. 650 g (1 lb 7.0 oz)				
	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)				
	Audio				
	Microphone: Built-in stereo microphone or XLR-K2M/XLR-K1M/ECM-XYST1M (sold separately)				
	Speaker: Built-in, monaural				
	Operating Temperature: 32 - 104 degrees F / 0 - 40 degrees C				
69	Compact Document Scanner	unit	2	18,000.00	36,000.00
	25ppm/50ipm, 2-sided colour scan speed				
	20 sheets Automatic Document Feeder (ADF)				
	Portable with micro-B USB3.0 Bus power				
	Dedicated plastic ID card slot				
	Scan to PC and USB host				



	Scanning Speed: 25ppm (A4) 2-sided colour scan speed				
	Document Size-Multiple Papers-Width:51mm to 215.9 mm				
	Document Size-Multiple Papers-Length:70mm to 863mm				
	Document Size-Single Papers-Width:51mm to 215.9mm				
	Document Size-Single Papers-Length:70mm to 863mm				
	Colour/Black: Yes/Yes				
	Duplex Scan: Yes				
	Color Depth - Input: 48-bit colour processing				
	Color Depth - Output: 24-bit colour processing				
	Resolution - Optical: Max 600 dpi x 600 dpi				
	Resolution - Interpolated: Max 1,200 dpi x 1,200 dpi				
	Scanning Width: Max 216mm				
	Grayscale: 256 levels				
	Memory Capacity: SDRAM: 256 MB				
	ADF: up to 20 sheets				
	Interface: USB: Hi-Speed USB 2.0, Superspeed USB 3.0				
70	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C	unit	12	100.00	1,200.00
	DHT11 Temperature/Humidity Sensor module for Arduino with wires, temp accuracy +-2°C, functional and good quality				
71	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				
72	SD Card, 1 TB	pc	3	800.00	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				
73	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				
74	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				
75	Network Infrastructure (Miscellaneous)	lot	1	91,000.00	91,000.00
	Network IP Phones:				
	3 units				
	Cisco CP-6821 (same existing fleet of VSU IP Phones)				
	IP Network Camera:				
	5 units				
	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				
	3M Keystone-delete				
	Original 3M Volition-delete (Cat6 female Tool-less RJ45 Keystone-delete Mount)				
	Re-usable				
	Shallow Depth, Cable Entry from top or bottom				
	Keystone-delete Mounting				
	Accepts both solid conductors from AWG 26 to 22 and stranded conductors				
	Integral shutter Benefits				
	Easy and quick to install				
	Integral shutter protects jack in the patch panel				
	*1 Port Face plate with RJ-45 Module Cat 6				
	25 sets				
	3M Keystone-delete				
	Original 3M Volition-delete (Cat6 female Tool-less RJ45 Keystone Mount)				
	Re-usable				
	Shallow Depth, Cable Entry from top to bottom				
	Keystone-delete Mounting				
	Accepts both solid conductors from AWG 26 to 22 and stranded conductors				
	Integral shutter Benefits				
	Easy and quick to install				
	Integral shutter protects jack in the patch panel				
	Granding FA1-H Biometric System (Same with existing VSU fleet)				
	2 units				
	Biometric System, finger print and facial recognition				
	Built-in backup battery				



	Network port				
76	1 Lot Network Switches	lot	1	450,000.00	450,000.00
	6 units				
	Network Switches:				
	Units-HP Aruba 2530 (Based on VSU Existing HP fleet of network equipment)				
	*PoE, PoE+ (370watts)				
	*24 ports				
	*Up to 104 Gbps capacity				
	*Layer 2				
	*Fast Ethernet, 1GbE				
	*Lifetime Warranty				
77	1 Lot Network Switches (2)	lot	1	190,000.00	190,000.00
	2 units				
	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				
78	UTP Cable (305 meters), CAT 6 23 AWG	roll	3	10,000.00	30,000.00
	☐UTP Cable cat6				
	☐Cat 6 Cable UTP Unshielded AWG23				
	☐Gray Data LAN Cable				
	☐1000 feet 305m 1000ft.				
	☐must be UL listed & ISO certified cable				
79	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				
80	DJI Inspire 2 TB50 Intelligent Flight Battery (compatible with existing device)	pc	4	10,000.00	40,000.00
81	Lithium Polymer battery 2150MAH 11.V Sensefly Type 2150 MAH-Min 2150 mAh-24wh	pc	2	15,000.00	30,000.00
82	Computer Monitor 24", IPS, Bezel-less Full HD Monitor	set	8	10,000.00	80,000.00
	☐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)				
83	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				
84	Universal HDMI to VGA Adapter Cable, at least 1.8 meters	unit	10	600.00	6,000.00
85	Laptop	unit	1	80,000.00	80,000.00
	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				
	with bag(backpack)				
86	Laptop	unit	1	49,999.00	49,999.00
	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 5.1 or above				
Built-in Devices				
Microphone				
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				
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				
with bag(backpack)				
			TOTAL	4,381,299.00

DILBERTO O. FERRAREN
BAC Chairman