



BID BULLETIN 01

Date: 28 February 2024

Project Title: Supply and Delivery of Farm Machineries and Equipment (VSU-GOODS-24-16)

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 2,500,000.00 .)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 2,500,000.00 and the largest of which should be at least PhP 1,250,000.00
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)
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 5,000,000.00)
	Or
	Committed Line of Credit (at least Php 500,000.00)
(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 15 February – 06 March 2024 <i>until 10:00 AM</i> 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 15 February – 06 March 2024 <i>until 10:00 AM</i> 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 Green envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>



<p>Section VI. Schedule of Requirements</p> <p>All Items Should Be Delivered Within 90 calendar days from Receipt Of Notice To Proceed (NTP) and Purchase Order (PO)</p>	<p><i>(Amendment)</i></p> <p>All Items Should Be Delivered Within 90 calendar days from Purchase Order (PO)</p>
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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	ABC/Unit (Pesos)	Total ABC (Pesos)
1	3 in 1 seed spreader, fertilizer applicator, pesticide sprayer	unit	2	80,000.00	160,000.00
	Dimension				
	<i>Hopper width: at least 106.7cm</i>				
	<i>Hopper Loading Weight: at least 106.7cm</i>				
	Weight				
	<i>Hopper Capacity: at least 390kg</i>				
	<i>Machine: at least 58kg</i>				
	<i>Shipping (per pair): at least 136kg</i>				
	Hopper				
	<i>Volume Capacity: at least 0.28m</i>				
	<i>Material: Polyethylene</i>				
	PTO				
	<i>RPM: at least 540 rpm</i>				
	<i>Tractor HP Range: 14.9-45kw</i>				
	<i>Shaft Category: 1: Heavy-duty Shielded 3.5 cm/1.375"</i>				
	Range				
	<i>Swath Spread: at least 15m</i>				
	Hitch				
	<i>Type: 3-point, Category 1</i>				
	Warranty				
	<i>1 year service & parts</i>				
2	Laser guided land leveler	unit	1	670,000.00	670,000.00
	<i>Laser Guided Land Leveler with PTO Pump</i>				
	<i>Working Width: at least 7 feet (2.1mtr)</i>				
	<i>Tractor Power: 55-60 HP</i>				
	<i>Efficiency: 5 ltrs per hour</i>				
	<i>Working Speed: at least 1500 rpm</i>				
	<i>Laser Range: 1500 meters (750 meter radius)</i>				
	<i>Hydraulic Pressure: 250 Bar Max</i>				
	<i>Blade: Special Steel - 125 x 12 mm, reversible</i>				
	<i>Tyre, Type: 6.00-16mm</i>				
	<i>Operating Voltage: 12 Volt DC</i>				
	<i>Mast: Manual Gear / Electronic Mast</i>				



	Axel: 4 Axels, 4 tyres, Cross Type				
3	Power tiller with complete accessories	unit	1	160,000.00	160,000.00
	Belt Cover: Full cover type				
	Bore x Stroke: at least 97 x 96mm				
	Brake: Internal expansion shoe and drum type				
	Cooling System: Pressurized radiator, crankshaft driven cooling fan				
	Cylinder: at least 709				
	Main Clutch: Dry multi-plate type				
	Number of Tilling blade: 20				
	Engine Specific Fuel Consumption: at least 185 [252]				
	Power transmission system (Engine to main clutch): 3 V-belts (Belt section: B, Length: 78") Gear				
	Wheel track width (mm): 800-950				
	Engine Type: 4-cycles, horizontal piston, water cooled, direct-injection diesel engine				
	Engine starting system: Hand cranking with handle (double speed ratio)				
	Transmission oil grade/volume: SEA90/ API GL-4 / 7.5-8 liters				
	Number of Tilling width: 80cm (800mm)				
	Power Tiller Engine rated continuous output (PS/rpm): at least 13/2400				
	Engine Weight (dry) (kg): 100				
	Tires: 7.0-16 (Rolling diameter 71 cm)				
	Total weight (Paddy wheel) (kg): 329				
	Engine oil grade/volume: SAE30 or SAE10W-30, SAE40 or SAE15W-40W/ API CF of above/ 2.8 liters				
	Traveling speed step (Sub-speeds shift reserves): 2 reverse (1 high and 1 low)				
	Number of rotary speed: 2				
	Power tiller Engine rated maximum output (PS/rpm): at least 13/2400, at least 12.8 HP				
	Engine pulley outside diameter (mm): 120				
	Brake: Internal expansion shoe and drum type				
	Total weight (rubber tires) (kg): at least 346				
	Engine fuel tank capacity (L): at least 11				
	Traveling speed step (Main speeds shift forward): 6 forwards (3 high and 3 low)				
	Weight (kg): at least 116				
	Power tiller Engine Cylinder displacement volume (cm ³): at least 709				
	Engine Safety Cover: Flywheel cover and muffler heat shield				
	Steering clutch: bolt-on internal gear insert type (14 teeth)				
	Standard implements & accessories* (provided): Rotary tiller (RP80M-IN), rubber tire, paddy wheel				
	Engine Maximum Torque (kg-m/rpm): at least 4.4/1600				
	Power transmission system (main clutch to wheel axle): Gear (dependence with traveling sub-speed shift)				
4	Rice Combine Harvester	unit	1	2,000,000.00	2,000,000.00
	Engine: Diesel Engine (Direct Injection)				
	Horse Power: 70				
	Max Engine Rotation: 2700 rpm				



	Battery: 12V / 65 Ah				
	Fuel Tank: 85 Liter capacity				
	Strength: Reduce Fuel Costs, Full horse power, able to handle long hours				
	Track Size: Ground contact length 1700 mm				
	Wide: 500 mm				
	Speed Shift System: HST (Hydraulic Control)				
	Travelling Speed: L,M,H (3 Step)				
	Steering System: Electric and Brake Disc				
	Brake System: Hydraulic Brake				
	Strength: Power Steering, Smooth Brake System				
	Harvest Type: Full Harvesting Type				
	Blade Width: 1.980 mm				
	Reaper Control: Hydraulic				
	Strength: Able to handle any type of paddy fields				
	Length×Width×Height: (4800x2260x2990) mm				
	Ground Clearance: 325 mm				
	Weight: 3000 kg				
	Thresher System: Tooth Bar				
	Threshing Drum: (620x1650) mm				
	Thresh Shaft Rotation: 560 RPM				
	Number of Sieve: 4 pcs				
	Grain Tank: Hopper				
	Safety Switch: Main Shift Gear, Thresh Clutch				
	Working Acre per hour (Test by SKC team): 1 - 1.25 Acre				
	Fuel Consumption per hour (Test by SKC team): 7.5 Liters				
	Strength: Safety Switch				
	with service center within 50km from VSU				
	Supplier should provide in-person operation training of the equipment				
	Supplier should submit AMTEC Test Report				
	Supplier should submit Certification from the manufacturer as distributor				
5	Rice Reaper	unit	1	250,000.00	250,000.00
	Number of Rows: 3				
	Working Width (mm): 1200mm				
	SPECIFICATIONS:				
	Condition: New				
	Tractor Power (HP): 6-16 HP				
	Application: Rice, corn, wheat				
	Machine Type: Harvester				
	Usage: Grain Harvester, other				
	CROPS HARVEST				
	Weight: 55kg				
	Warranty: 1 year service parts				
	Core Components: Gearbox, motor				
	ENGINE				
	Driver Type: Tractor PTO				
	Engine: gasoline 13HP				
	Type: Paddy/rice reaper				
	Working capacity (m ² /hour): 1.0 - 1.5 gasoline				
	Supplier should submit AMTEC Test Report				
	Supplier should submit Certification from the manufacturer as distributor				



6	Rice Seeder, Tractor mounted, connect to 6-8HP tractor	unit	1	190,000.00	190,000.00
	Length (mm): 360				
	Width (mm): 700				
	Height (mm): 330				
	Weight (kg): Approx. 9				
	Hopper capacity (L): Approx. 16				
	Standard seeding amount (cc): 180 to 450 (rice bud)				
	Sowing width (mm): 580 to 590				
	Seeding speed (seconds/tray): 2 to 3				
	(the speed like walking slowly)				
	Driving method: Driven by front 2 wheels				
	Remarks: Spreading method				
7	Rice Thresher, throw in type	unit	1	160,000.00	160,000.00
	Mobility With Wheels and Drawbar Design Peg-tooth/ Concave Grate, Width 1.5 m. Engine Power 12 HP - 16 HP Forward speed 2.5 kph - 4.5 kph Weight 200 kg – 500 kg Capacity 0.5- 3 tons/hr Labor requirement(s)3-4-delete				
8	Rice Transplanter	unit	1	250,000.00	250,000.00
	Machine Dimensions				
	length (mm): at least 2140				
	width [during operation] (mm)				
	height (mm): at least 900				
	ENGINE				
	Engine displacement (L [cc]): 0.192 {192}				
	Output/rotational speed (kW [PS]/ rpm): 3.7 {5.0} / 3000 at least 4 HP				
	Usable Fuel: regular automobile gasoline (unleaded)				
	Fuel Tank Capacity (L): 10				
	Ignition System: Non-contact electromagnetic ignition				
	Starter System: Recoil Starter				
	MOVEMENTS PARTS				
	Wheel adjustments: Hydraulic system (wheel up/down)				
	Wheel Type: Thick rimmed rubber wheels				
	Wheel outer diameter (mm): 660				
	PLANTING PORTION				
	Number of gears: Main shift: 2 gears for moving forwards, 1 gear for moving in reverse				
	Number of planting rows: 4				
	Planting row spacing (cm): 30				
	Planting hill space (cm): 12 - 14 - 16 - 18 - 21*1				
	Number of hills (hills/m2): 28 - 24 - 21 - 19 - 16*1				
	Planting depth (mm): 7 to 37 (5 settings)				
	Hill quantity adjustments method crossfeed distance (mm/revolution): 10.3/26 13.4/20				
	Hill quantity adjustments method Scraping depth (mm): 7 to 17 (across 9 settings)				
	TRAVELING ON ROAD SPEED (M/S): 0.90 to 1.64				
	OPERATING EFFICIENCY (HA/H): 0.14 to 0.26				
	SEEDING CONDITIONS				
	Type of seeding: seedling in mat				
	Seedling height (cm): 10 to 25				
	Foliar age (leaves): 2 to 4.5				
	NUMBER OF SPARE SEEDLINGS THAT CAN BE LOADED (BOXES): 3				



	with free 1000 pcs. seedling tray				
	Supplier should submit AMTEC Test Report				
	Supplier should submit Certification from the manufacturer as distributor				
9	Unmanned Aerial Vehicle (UAV) Sprayer, 10 liter capacity	unit	1	1,160,000.00	1,160,000.00
	FEATURES				
	Hourly operation efficiency: 15 acres				
	High-precision radar: √ Spherical Omnidirectional Radar System				
	Remote control planning precision: √ (RTK/GNSS)				
	Removing air from pipes: √ One button Air Discharge				
	3D operation planning of the AI engine: √				
	High-precision flowmeter: √ (Dual-channel electromagnetic flowmeter with an error of ±2%)				
	Level gauge: Single-point level gauge				
	Maximum spray flow: 1.8 L/min (with standard XR11001 nozzle) 2.4 L/min (with optional XR110015 nozzle)				
	Pesticide tank installation method: Quick plugging pesticide tank				
	Battery installation method: Quick plug-and-play battery				
	One remote control for multiple drones: √ (one remote control for three drones)				
	D-RTK technology: √				
	Up-looking radar module: √				
	Flight dotting function: √				
	Smart cruising/return function: √				
	Intelligent supply-point prediction: x				
	Coordinated turn function: √				
	Forward-looking FPV: √				
	Backward-looking FPV: √				
	Branch targeting technology: x				
	DRONE PARAMETERS				
	Total weight (without batteries): 13 kg				
	Rated take-off weight: 24.8 kg (near sea level)				
	Hovering precision (with good GNSS signal): With D-RTK enabled:				
	±10 cm (horizontal) and ±10 cm (vertical)				
	With D-RTK disabled:				
	±0.6m (horizontal) and ±0.3m (vertical) (with the radar function enabled: ±0.1 m)				
	RTK/GNSS frequency bands: RTK: GPS L1/L2, GLONASS F1/F2, BeiDou B1/B2, and Galileo E1/E5				
	GNSS: GPS L1, GLONASS F1, and Galileo E1				
	Maximum power consumption: at least 3,700 W				
	Hovering power consumption: at least 3,200 W				
	Hovering time: 19 min (@9,500 mAh & takeoff weight of 16 kg)				
	8.7 min (@9,500 mAh & takeoff weight of 26 kg)				
	Maximum pitch angle: 15°				
	Maximum operating flight speed: 7 m/s				
	Maximum level flight speed: 10 m/s (with good GNSS signals)				



Maximum endurable wind speed: 8 m/s				
Maximum flight altitude: 4,500m				
*Reduce the pesticide amount by 12% with each increase of 1,000 meters of altitude.				
Recommended operating ambient humidity: < 93%				
Recommended operating ambient temperature: 0 °C to 45 °C				
RACK PARAMETERS				
Maximum rotor distance: 1,480 mm				
Dimensions: 1,958 mm × 1,833 mm × 553 mm (with arms and blades extended)				
1,232 mm × 1,112 mm × 553 mm (with arms extended and blades folded)				
600 mm × 665 mm × 580 mm (with arms folded)				
Power system - Motor				
Stator size: 100×10 mm				
KV value: 84 rpm/V				
Maximum pulling force: at least 11.2 kg/rotor				
Maximum power: at least 2,000 W/rotor				
Weight: 527 g				
Power system - Propellers				
Diameter × pitch: at least 33×9 inch				
Weight (a single blade): at least 92 g				
Power system - ESC				
Maximum operating current (continuous): at least 32 A				
Maximum operating voltage: at least 60.9 V (14S LiPo)				
FPV camera				
FOV: Horizontal: 129°, vertical: 82°				
Resolution: 1,280×720 15-30 fps				
FPV spotlight				
Light intensity: at least 13.2 lux @ 5-meter direct light				
Spraying system - Operation tank				
Operation tank volume: at least 8 L at full load				
Operating load: at least 8 kg at full load				
Spraying system - Nozzles				
Sprayer model: SX11001VS (standard) SX110015VS (optional) XR11002VS (optional)				
Number of sprayers: 4				
Maximum spray flow: SX11001VS: 1.8 L/min SX110015VS: 2.4 L/min XR11002VS: 3 L/min				
Diameter of atomized particle: SX11001VS : 130 - 250 µm SX110015VS : 170 - 265 µm XR11002VS: 190 - 300 µm (depending on the actual operating environment, spraying flow and other factors)				
effective spray width: 3 - 5.5m (with 4 sprayers and a distance of 1.5 - 3 meters to crops)				
Spraying system - Water pump				
Water pump model: Diaphragm pump				
Operating voltage: 15 V				
Maximum flow: at least 1.5 L/min ×1				
Spraying system - Flowmeter				
Flow measurement range: 0.25 - 20 L/min				



	Flow measurement error: $\pm 2\%$				
	Measurable liquid: Conductivity > 50 $\mu\text{S/cm}$. Typical liquid: Tap water, aqueous organic or inorganic pesticides, and the like				
	Omnidirectional obstacle avoidance radar				
	Model: RD2424R				
	Operating frequency: SRRC/NCC/FCC: 24.05 to 24.25 GHz				
	MIC/KCC/CE: 24.05 to 24.25 GHz				
	Operating power consumption: 12 W				
	Equivalent isotropic radiated power (EIRP): SRRC: < 13 dBm; NCC/MIC/KCC/CE/				
	FCC:< 20 dBm				
	Height hold and terrain following: Height measurement range: 1 - 30m				
	Height hold range: 1.5 - 15m				
	Maximum slope in mountain mode:35°				
	Obstacle avoidance system: Perceivable distance: 1.5 - 30m				
	FOV: 360° (horizontal), $\pm 15^\circ$ (vertical)				
	Conditions of use: The relative flight height of the drone is above 1.5m and the speed below 7 m/s				
	Safe distance: 2.5m (the distance between the tip of the blade and the obstacle after the drone is braked and hovering stably)				
	Obstacle avoidance direction: Horizontally omnidirectional obstacle avoidance				
	Protection class: IP67				
	Up-looking radar				
	Model: RD2414U				
	Operating frequency: SRRC/NCC/FCC: 24.05 to 24.25 GHz				
	MIC/KCC/CE:24.05 to 24.25 GHz				
	Overhead obstacle avoidance: Perceivable distance: 1.5 - 10m				
	FOV: 80°				
	Conditions of use: The drone flies for a relative distance over 1.5 m in the mode of take-off, landing and route climb mode				
	Safe distance: 2m (the distance between the obstacle and the highest point on the top of the drone)				
	Obstacle avoidance direction: Above the drone				
	Protection class: IP67				
	Equivalent isotropic radiated power (EIRP): SRRC:< 13 dBm;NCC/MIC/KCC/CE/				
	FCC:< 20 dBm				
	Operating power consumption: 4 W				
	Battery				
	Model: BAX501-9500mAh-51.8V				
	Weight: About 3.8 kg				
	Discharge rate: 11.5C				
	Protection class: IP54 + board-level embedment protection				
	Capacity: 9,500 mAh				
	Voltage: 51.8 V				
	Remote control				
	Model: RM500-ENT				



Operating frequency of OcuSync 2.0: 2.4000 to 2.4835 GHz 5.725 to 5.850 GHz				
Effective signal distance of OcuSync 2.0 (without interference and blockage): SRRC: 5 km; MIC/KCC/CE: 4 km; FCC: 7 km (measured at the operating height of 2.5m)				
EIRP of OcuSync 2.0: 2.4 GHz, SRRC/CE/MIC/KCC: 18.5 dBm; FCC: 29.5 dBm; 5.8 GHz SRRC: 28.5 dBm; FCC: 20.5 dBm CE:12.5 dBm				
Wi-Fi Protocols: Wi-Fi Direct, Wireless Display, and 802.11a/g/n/ac. 2 x 2 MIMO Wi-Fi is supported				
Wi-Fi operating frequency: 2.4000 to 2.4835 GHz 5.150 to 5.250 GHz 5.725 ~ 5.850 GHz				
Wi-Fi EIRP: 2.4 GHz SRRC/CE: 18.5 dBm; FCC/MIC/KCC: 20.5 dBm; 5.2 GHz SRRC/FCC/CE/MIC: 14 dBm; KCC: 10 dBm; 5.8 GHz, SRRC/FCC: 18 dBm; CE/KCC: 12 dBm;				
Bluetooth protocol: Bluetooth 4.2				
Bluetooth operating frequency: 2.4000 to 2.4835 GHz				
Bluetooth EIRP: SRRC/MIC/FCC/CE/KCC:6.5 dBm				
Positioning: GPS + GLONASS				
Display: 5.5-inch screen with a resolution of 1,920x1,080 and brightness of 1,000 cd/m ² , and Android OS				
Operating memory (RAM): 4GB LPDDR4				
Storage space (ROM): 32 GB + scalable storage space, and a microSD card with the capacity up to 128 GB and transfer speed of UHS-I Speed Grade 3 is supported				
HDMI: HDMI 1.4				
Supported drones: T30 and T10 crop protection drones				
Operating power consumption: 18 W				
Operating ambient temperature: -10°C to 40°C				
Storage ambient temperature: 30°C to 60°C (within 1 month) -30°C to 45°C (1 to 3 months) -30°C to 35°C (3 to 6 months) -30°C to 25°C (more than 6 months) (with the capacity of built-in batteries at 40 to 60%)				
Charging ambient temperature: 5°C to 40°C				
Built-in battery of remote control				
Built-in battery: 18650 lithium ion battery (5,000 mAh at 7.2V)				
Battery life: 2 hours				
Charging method: Standard 12V/2A USB quick charger				
Charging time: 2.5 hours (with the standard 12V/2A USB quick charger and the remote control powered off)				
Power supply current/voltage of remote control USB-A port: 5 V / 1.5 A				
External smart battery of remote control				
Model: WB37-4,920mAh-7.6V				
Battery type: 2S LiPo				
Capacity: 4,920 mAh				

