

Technical Specifications

Overall

Transmission	Altitude (120 m), Few Obstruction & Medium Interference: 20-25 km Above Sea Flight Altitude (120 m), No Obstruction & Low Interference: 35-45 km
Frequency	2.4 GHz / 5.8 GHz *Tips: Operation on other frequency bands requires certification of the full system—including but not limited to drones, UGVs, and USVs—in compliance with local legal and regulatory requirements.
Bandwidth	10M/20M
Maximum data transfer rate	65Mbps *Tips: Measured under conditions of 20MHz bandwidth, with the air unit and remote controller in a near-field, interference-free environment.
Physical Channels	Button *13 3-Position Switch *6 Main Joystick *2 Mini Joystick *2 Dial *2 Knob Switch *2
Operating Temperature	-20~55°C
Storage Temperature	-30~45°C (Within one month) -10~35°C (Greater than one month and less than three months) -10~30°C (Greater than three months and less than one year)

Ground Station - Basic Spes

Monitor Size	10.1 inch
Resolution	1920*1200
Brightness	2000 nit
Screen Refresh Rate	60 FPS
Adaptive Brightness	Support
External Battery Capacity	13400 mAh
Internal Battery Capacity	6700 mAh
System Power Consumption	34W
Endurance	Approximately 5h (External + Internal Battery)
Charging Method	Standard fast charging, supports up to 65W fast charging When powered off: With external battery connected: Charging power 65W (internal battery 25W, external battery 40W) Without external battery connected: Charging power 40W (internal battery 40W) When powered on: With external battery connected: Charging power 65W (internal battery 40W, external battery 25W) Without external battery connected: Charging power 40W (internal battery 40W)
Charging Time	Without external battery: 1.5h With external battery: 4h
System	Android 13
Storage	4GB + 64GB (Expandable)
GNSS	GPS/GLONASS/BeiDou/Galileo/QZSS
IP Level	IP54
Dimensions	328.2*222.5*101.5 mm
Weight	2600g (Include belly rest bracket)

Ground Station - Transmission & Interfaces

Antennas	2* Built-in directional antennas 2* External omnidirectional antennas
Wi-Fi	WiFi 5
Wi-Fi Operating Frequency	2.4/5.8 GHz
Bluetooth	BT 5.0
Bluetooth Operating Frequency	2.4000 GHz - 2.4835 GHz
External Interfaces	USB-A (defaults to OTG interface, can be set as a reserved serial port interface) Ethernet port (RJ45) HDMI Type-C (charging, file transfer, firmware upgrade) TF card slot SIM card slot
Data Link Interface	UART*2, UDP, Bluetooth (Data Link), Type-C
Audio	3.5mm audio jack, speaker, buzzer

Air Unit

RC Signal Output	16-channel S.Bus 5-channel PWM
Interfaces	(GH1.25 6Pin) Data Link: UART*2 (GH1.25 3Pin) Video & Data: Ethernet Port*2 (GH1.25 8Pin) CAN*1 (GH1.25 4Pin) PWM*1 (GH1.25 6Pin) Power Input: XT30 Firmware Upgrade: TYPE-C
Antennas	Quick-release antennas (MMCX)*2 Detachable antennas (IPEX)*2
Power Supply	3S-18S
Dimensions (Without Antennas)	85*42.4*26.9 mm
Weight (Without Antennas)	200g ± 5g
Average Power Consumption	7W