

Technical Specifications

Overall

Transmission	Agriculture Spraying Altitude (3 to 6 m): 3 to 6 km Rural Area Flight Altitude (120 m), Few Obstruction & Medium Interference: 10 to 15 km Above Sea Flight Altitude (150 m), No Obstruction & Low Interference: 30 to 40 km
Frequency	UniRC 7 Pro: 2.400 GHz - 2.476 GHz 5.725 GHz - 5.829 GHz UniRC 7: 2.400 GHz - 2.476 GHz
Physical Channels	10 x Custom Buttons 6 x Flight Mode Buttons 2 x Main Joysticks 1 x Sub Joystick 2 x Dials 2 × 3-Stage Switches

Ground Station - Basic Spes

Monitor Size	7-inch
Resolution	UniRC 7 Pro: 1920×1200 UniRC 7: 1280×800
Brightness	1600-nit
Battery Capacity	13400 mAh
Endurance	UniRC 7 Pro: Approx 8 hours UniRC 7: Approx11 hours
Charging Method	PD 30W
Charging Time	Approx 4.5 hours
System	Android 13
Storage	4GB RAM+ 64GB ROM
GNSS	GPS/GLONASS/BeiDou/Galileo/QZSS
IP Level	IP54
Dimensions	L274 * W190 * H100 mm
Weight	UniRC 7 Pro: 1.46KG UniRC 7: 1.44KG

Ground Station - Transmission & Interfaces

Antennas	UniRC 7 Pro: 2 x Internal (5 GHz)+2 x External (2.4 GHz) UniRC 7: 2 x External (2.4 GHz)
Wi-Fi	Wi-Fi 5
Bluetooth	BT 5.0
External Interfaces	UniRC 7 Pro: External Device (Mouse, USB Disk, USB Microphone): USB-A Serial Port (for RTK Dotting Module): USB-A File Transfer: USB-A Video Output: Standard HDMI Network Communication: LAN (GH1.25 4-Pin) UniRC 7: Serial Port (for RTK Dotting Module): USB-A Charging: Type-C Firmware Upgrade: Type-C File Transfer: Type-C Mobile Network: SIM Card Slot External Storage: TF Card Slot / USB-A Tripod Mount: 1/4-inch Standard Screw Hole
Data Link Interface	UART/UDP、Bluetooth、Type-C

Air Unit

RC Signal Output	16-channel S.Bus 5-channel PWM
Interfaces	RC Signal Output: S.Bus (GH1.25 2-Pin) RC Signal Output: PWM 1 to 5 (GH1.25 6-Pin) Datalink: 2 x UART (GH1.25 3-Pin) Video & Data: 2 x LAN (GH1.25 8-Pin) Power Supply: XT30 Firmware Upgrade: Type-C
Antennas	UniRC 7 Pro: 2 x Quick-Release MMCX (5 GHz) 2 x Detachable IPEX (2.4 GHz) UniRC 7: 2 x Detachable IPEX (2.4 GHz)
Power Supply	12 to 76 V
Dimensions (Without Antennas)	UniRC 7 Pro: L63 * W40 * H27 mm UniRC 7: L57 * W40 * H28 mm
Weight (Without Antennas)	UniRC 7 Pro: 115g UniRC 7: 90g
Average Power Consumption	UniRC 7 Pro: 8W UniRC 7: 6W