

RUGGON



RuggON 7" Ground Control System

For Unmanned Device Environmental Conditions



GNSS RTK Positioning



AES-256 Data Transmission Encryption



Multi-Channel RF signals, 5~30 km long range transmission



Programmable keys for flight modes



Anti-Jamming Solution



LEO Satellite communication

Specifications

Display /Touch	7", 1080P, Sunlight readable – Outdoor / Multi-touch
Processor	Qualcomm® Snapdragon™ 6490
OS	Android 14
APP	Flight Controller APP in Android
Memory	8 GB
Storage	128GB, MicroSD
Communication	Ethernet, WiFi 6E/BT
RF Module	RF module (MIMO) with x2 ant.
External Interface	1x Type-C (USB-3.1 ,DP), 1x USB 2.0, 1x RJ45
Power	1x DC-IN (AC adapter 65W/20V), 1x Battery Pack Hot-Swappable
Human Interface	2x Joysticks, 1x Gimbal Joystick (Shutter), 1x Toggle Switch, 4x Function Buttons, 2x thumbwheel, 1x Power Button
Network Topologies	Point-to-point, Point-to-Multipoint
Protocol	RC: S.BUS/i.Bus, Telemetry: MAVLink, Video: RTSP
Transmission Tech.	Frequency-Hopping Spread Spectrum available
Encryption	128-bit AES / 256-bit AES (option)
Frequencies	2.4GHz
RF Power	1W@30 dBm
Range	5kM

Military Unmanned Service



Public Safety Unmanned Service



FIELDWORKS

Fieldworks Direct BV
Veemarktkade 8
NL-5222 AE 's-Hertogenbosch

e-mail: info@fieldworks.nl
tel. +31(0) 73 624 1111
fax +31(0) 73 624 1112

www.fieldworks.nl

RUGGON

www.ruggon.com e-mail: info@ruggon.com

©2025 RuggON Corporation. All rights reserved. Specifications subject to change without notice.