

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

