



Z-SCAN FIELD UNIT
· TRIPOD-MOUNTED

PHYSICAL	
Materials	Mount and Tripod: Stainless, Galvanized Steel Antennas and Enclosures: ABS plastic
Dimensions	Base unit: 30 × 20 × 10 cm (11.8 × 7.9 × 3.9")
Weight	Top Array: ~6 kg (13 lbs) Electric Boxes: ~3 kg (6.6 lbs) Roof Mount: ~20kg (45 lbs)
Operating Temperature	−20°C to 50°C (−4°F to 122°F)
Storage Temperature	−30°C to 60°C (−22°F to 140°F)
Mounting Options	Galvanized Steel Roof Mount System
Connectors	1 × Power (IP-rated circular) 1 × Ethernet (IP-rated RJ45)

DETECTION	
Capability	Remote ID, DJI 20x Optical / IR Camera For Non-RID/DJI, Homebuilt
Frequencies	600 MHz – 6 GHz 2.4 GHz, 5.2 GHz, 5.8 GHz
Range (Remote ID) + DJI	Strong interference · urban: approx. 3 km Medium interference · suburban: approx. 6 km Low interference · open / seaside: up to 10 km
Range (non-Remote ID)	1 km, 20x Camera Zoom
Max RID / DJI Targets	Unlimited
Update Rate (during active detection)	1 second

NETWORKING	
Network Type	Ethernet or Starlink
Network Latency	200 ms maximum tolerable
Bandwidth	20 MBps minimum tolerable

POWER	
Power Supply & Draw	100–240 VAC Up to 90 W · 40 W average

SERVER REQUIREMENTS	
Operating System	Ubuntu
Storage	128 GB
Memory	8 GB
GPU	NVIDIA Jetson Nano

* Can be securely cloud-hosted

APPLICATIONS

Provides **proximity alerts** for drone threats

Homebuilt + FPV Drones

Provides **exact drone and pilot location** information

Remote ID + DJI Drones

Pair with other Zing Drone Solutions products
to enhance Z-SCAN's capabilities

Z-SCAN Web UI
Geofence + Alerts

Contact Us

RoHS

IP-RATED

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