MAGOS

AR-300 Drone Detection Radar

The AR-300 Drone Detection Radar offers optimal performance at close range with Magos' drone detection and tracking technology, superior resolution, and coverage capabilities.

Key Features

- Detection range of >300m for UAVs
- 360° airspace area coverage of 300m radius distance using four AR-300 radars and one PTZ camera
- Merged with Magos' market leading AI classification technology to reduce false-alarms from birds
- Supreme performance under all weather and lighting conditions
- Easy integration with any major security system with the MASS software
- Quick and simple installation, with no need for specific site customizations
- Low power, low bandwidth communications, and low size allow for minimal infrastructure requirements and cost-effective pricing

For more information on **Magos' solutions**, scan

Technical Specifications

DESCRIPTION	3D Digital Beamforming radar, 300m range, 0.5m resolution
DETECTION RANGE	>300m (DJI Mavic)
FREQUENCY	10.0 – 10.5GHz
TRANSMITTED POWER	3.2W
AZIMUTH AND ELEVATION COVERAGE	120° x 120°
RANGE ACCURACY	0.1m
AZIMUTH & ELEVATION ACCURACY	0.8°
SCAN RATE	7Hz
DIMENSIONS (W/H/D)	19cm X 35.2cm X 4.15cm / 7.5" x 13.8" x 1.6"
POWER CONSUMPTION	48V, 35W
OPERATING TEMPERATURE (C°)	-40° – +55°
POWER INTERFACE	PoE++ / 802.3bt Type 3, 4PPoE
ENVIRONMENTAL RATINGS	NEMA-6, IP67
WEIGHT	4.16kg / 9.17lbs
APPROVALS/ CERTIFICATIONS	FCC, UL
ORDERING P/N	MSA1443A

Technical Drawing

AR-300_DS_V3