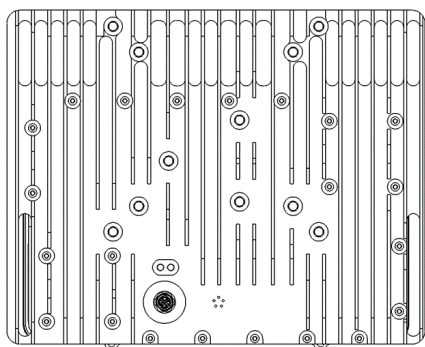
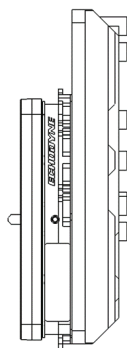
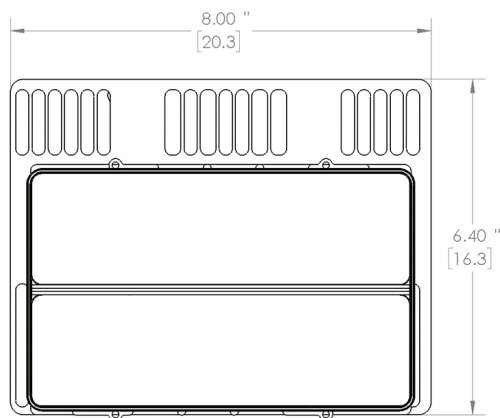


EchoGuard

3D Surveillance Radar



Performance

Instrumented range	6 km
Range (sUAV)	> 900 m (Phantom 4) > 1 km (Inspire II)
Range (vehicles)	> 3.5 km
Range (humans)	> 2.2 km
Field of view	120° azimuth x 80° elevation
Angular Resolution	±1° (azimuth) x ±3° (elevation)
Frequency	24.05 - 24.25 GHz (multi-channel)

Search While Track

Scan volume	User configurable with FOV
Scan update rate	~1 Hz for 120° (azimuth) x 60° (elevation) volume
Track acquisition rate	New tracks acquired in < 1 second
Search While Track	Tracks updated up to 10 Hz while radar intelligently scans rest of FOV
Max Tracks	Up to 20 simultaneous tracks
Modes	Operational modes enable quick simple tracking of humans and UAVs

SWaP and Environmental

Size	20.3 cm x 16.3 cm x 4 cm 1.25 kg
Weight	DC +15 V to +28 V
Power	<50 W (Operating) <15 W (Hot standby) -40°C to +75°C
Operating temp	
Weather Protection	IP67

Integration and Data

Control I/O	Gigabit Ethernet
Power I/O	Snap lock 12 pin connector
Data Outputs	RVMaps (40 MB/s) Detections (1 MB/s) Measurements (~1MB/s) Tracks (24 kB/s)
Mounting	VESA 75 & 100 mm; AMPS

FCC Identifier 2ANLB-MESASSR00053