ECHODYNE

EchoGuard CR®

4D MESA® Radar for Close Range Surveillance

Guard Every Perimeter
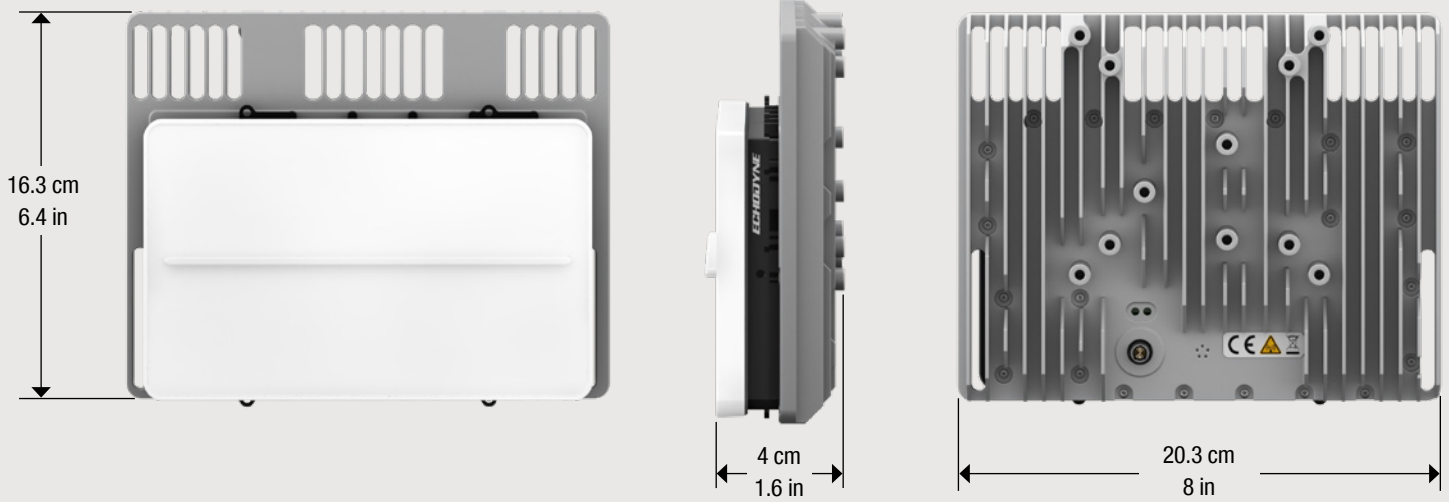
Ground and Air

Accurate and Reliable

Built for Semi-Urban, Urban, and Close-Range Environments.

RADAR PERFORMANCE

Frequency
K-band 24.45 – 24.65 GHz

Field of View
120° azimuth x 80° elevation

Track Accuracy
< 1° azimuth x < 1.5° elevation

Track Update Rate
10 Hz

Max Tracks
Up to 20 Simultaneous Tracks

Instrumented Range
1.2 km

Range
sUAV: > 225 m (Phantom 4)
        > 350 m (Matrice 600)
Vehicle: > 900 m
Human: > 500 m

SWaP & ENVIRONMENTAL

Size
20.3 cm x 16.3 cm x 4 cm

Weight
1.25 kg

Power
+ 12 to + 30 VDC
Comp w/ PoE+, Class 4 Ext.
< 24 W (Operating)
< 10 W (Hot standby)

Operating Temp
- 40° C to + 75° C

Weather Protection
IP67

INTEGRATION & DATA

Control I/O
Gigabit Ethernet

Power I/O
Snap Lock 12 Pin Connector

Data Output
R/V Maps: 40 MBps
Detections: 1 MBps
Measurements: 1 MBps
Tracks: 25 KBps

Mounting
VESA 75 & 100 mm

RADAR DIMENSIONS

16.3 cm
6.4 in

4 cm
1.6 in

20.3 cm
8 in

ORDERING DETAILS

FCC ID: 2ANLB-MESASSR00053

☐ WHITE   700-0005-203-110
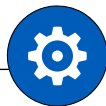
Software & Support

SOFTWARE UPDATES

Continuous Improvement from Software-Defined Radar

- Includes All Major and Minor Releases
- Improve Radar Operations
- Enhanced Classification
- Radar Data Visualization Tools
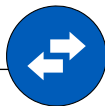- Radar Support Tools

TECHNICAL SUPPORT

Priority Access to Radar Support

- Review and Training Sessions
- Systems Integration
- Troubleshooting
- Performance Review
- Planning

PRIORITY TECHNICAL SUPPORT
Priority queuing via company match when using support@echodyne.com.

CUSTOMER PORTAL
24/7 access to all tools, manuals, and materials.

PERFORMANCE ENHANCEMENT
Continuous improvements through software development.

USER COMMUNITY
Submit requests for features and functionality.