

# EchoGuard<sup>®</sup>

4D Surveillance Radar

Superior Drone Detection

Enhanced Perimeter Security

Market-Leading Performance



Short-Range, Software-Defined, Metamaterials ESA (MESA<sup>®</sup>) Radar in a Compact Solid-State Format.

## RADAR PERFORMANCE

### Frequency

K-band 24.45 – 24.65 GHz (USA)  
K-band 24.05 – 24.25 GHz (INTL)

### 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

6 km

### Range

sUAV: > 1 km (Phantom 4)  
> 1.4 km (Matrice 600)  
Vehicle: > 3.5 km  
Human: > 2.2 km

## SWaP & ENVIRONMENTAL

### Size

20.3 cm x 16.3 cm x 4 cm

### Weight

1.25 kg

### Power (USA)

+ 15 to + 28 VDC  
50 W (Operating)  
≤ 10 W (Hot Standby)

### Power (INTL)

+ 15 to + 24 VDC  
50 W (Operating)  
≤ 7 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

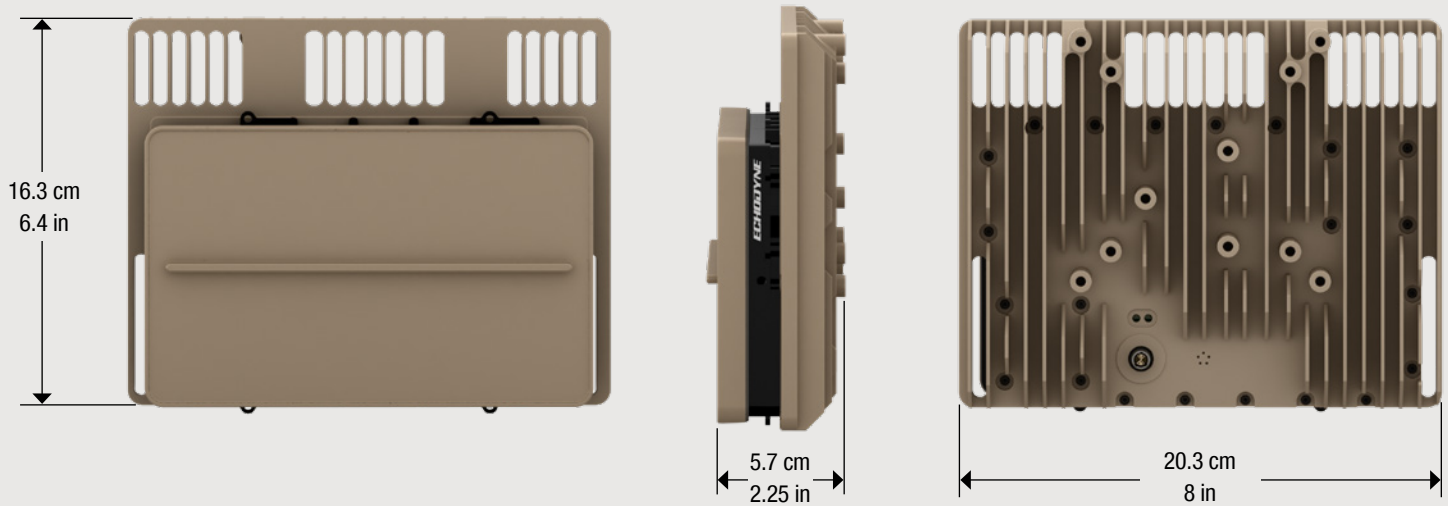
### Data Output

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

### Mounting

VESA 75 & 100 mm

## RADAR DIMENSIONS



## ORDERING DETAILS

### EchoGuard (USA)

FCC ID: 2ANLB-MESASSR00053

- WHITE 700-0005-203-100
- TAN 700-0005-203-200

### EchoGuard (INTL)

Regulatory: CE, RoHS 3, RED

- WHITE 700-0005-206-100
- TAN 700-0005-206-200

# Software & Support

## SOFTWARE UPDATES

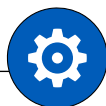
### Continuous Improvement from Software-Defined Radar

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

## TECHNICAL SUPPORT

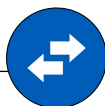
### Priority Access to Radar Support

- 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.