

# EchoFlight<sup>®</sup>

4D Airborne Radar

Ultra-Low SWaP

Un/tethered Drone Surveillance

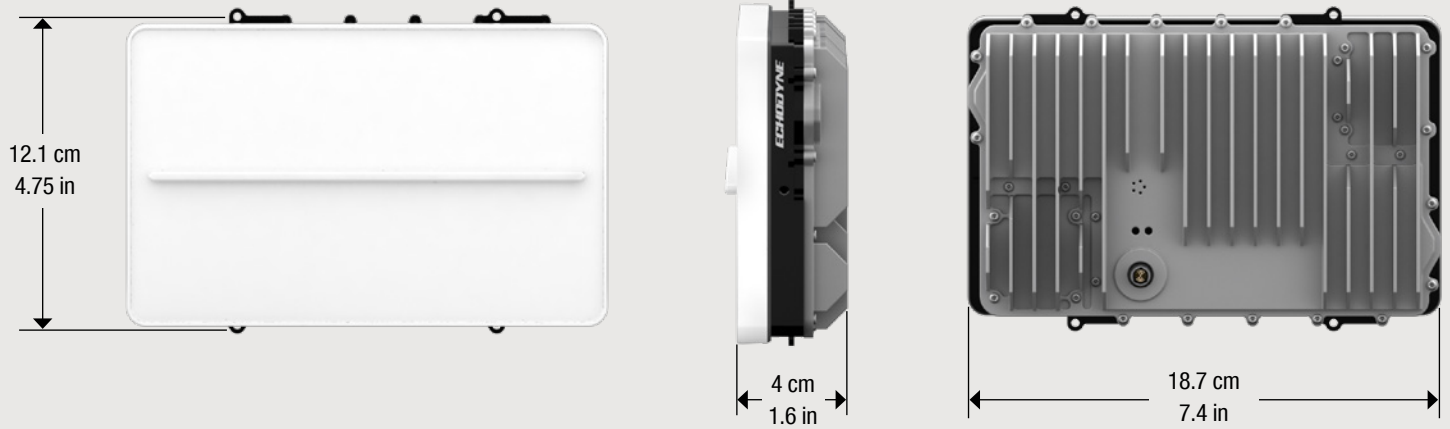
Drone Interceptor Applications



Lightweight Metamaterials ESA (MESA<sup>®</sup>) Radar for Airborne Platforms that is Customizable to Mission Requirements.

RADAR PERFORMANCE	SWaP & ENVIRONMENTAL	INTEGRATION & DATA
<p><b>Frequency</b> K-band 24.45 – 24.65 GHz</p> <p><b>Field of View</b> 120° Azimuth x 80° Elevation</p> <p><b>Track Accuracy</b> &lt; 1° Azimuth x &lt; 1.5° Elevation</p> <p><b>Track Update Rate</b> 10 Hz</p> <p><b>Max Tracks</b> Up to 20 Simultaneous Tracks</p> <p><b>Instrumented Range</b> 6 km</p> <p><b>Range</b> sUAV: &gt; 750 m (Phantom 4) &gt; 1 km (Matrice 600) Cessna: &gt; 2 km</p>	<p><b>Size</b> 18.7 cm x 12 cm x 4 cm</p> <p><b>Weight</b> 817 g (Natural Convection)</p> <p><b>Power</b> + 12 to + 28 VDC 45 W (Operating) ≤ 10 W (Hot standby)</p> <p><b>Operating Temp</b> - 40° C to + 75° C</p> <p><b>Weather Protection</b> IP67</p>	<p><b>Control I/O</b> Gigabit Ethernet</p> <p><b>Power I/O</b> Snap Lock 12 Pin Connector</p> <p><b>Data Output</b> R/Vmaps: 40 MBps Detections: 1 MBps Measurements: 1 MBps Tracks: 25 KBps</p>

**RADAR DIMENSIONS**



**ORDERING DETAILS**

FCC ID: 2ANLB-MESADAA00051

WHITE 700-0005-201-100

# Software & Support

**SOFTWARE UPDATES**

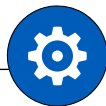
## Continuous Improvement from Software-Defined Radar

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

**TECHNICAL SUPPORT**

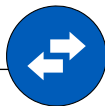
## Priority Access to Radar Support

- 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.