

# EchoFlight<sup>®</sup>

4D Airborne Radar

Ultra-Low SWaP

Un/tethered Drone Surveillance

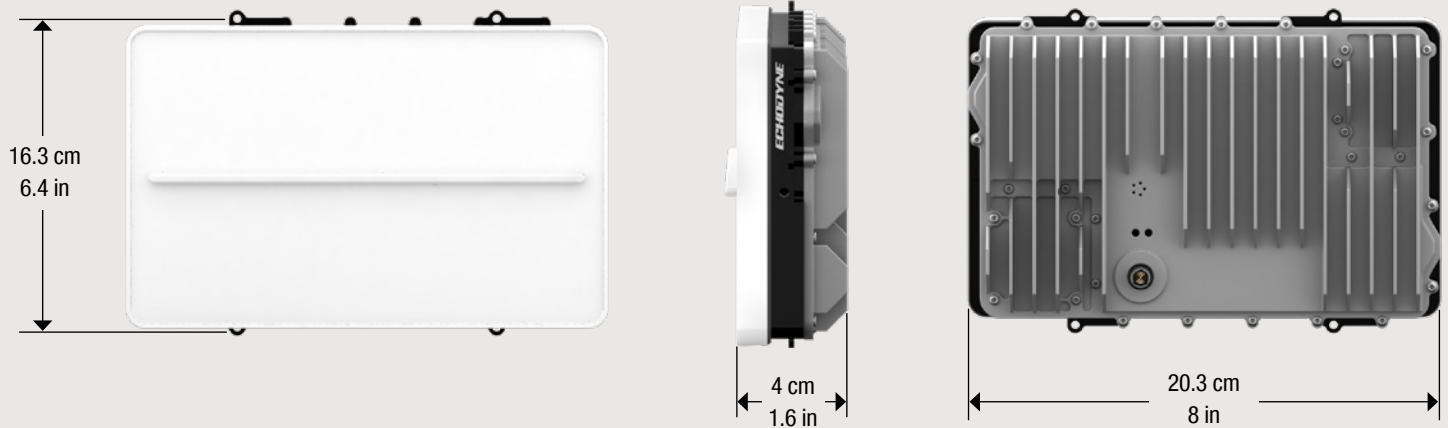
Drone Interceptor Applications



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

RADAR PERFORMANCE	SWaP & ENVIRONMENTAL	INTEGRATION & DATA
<b>Frequency</b> K-band 24.45 – 24.65 GHz	<b>Size</b> 18.7 cm x 12 cm x 4 cm	<b>Control I/O</b> Gigabit Ethernet
<b>Field of View</b> 120° Azimuth x 80° Elevation	<b>Weight</b> 817 g (Natural Convection)	<b>Power I/O</b> Snap Lock 12 Pin Connector
<b>Track Accuracy</b> < 1° Azimuth x < 1.5° Elevation	<b>Power</b> + 12 to + 28 VDC 45 W (Operating) ≤ 10 W (Hot standby)	<b>Data Output</b> R/Vmaps: 40 MBps Detections: 1 MBps Measurements: 1 MBps Tracks: 25 KBps
<b>Track Update Rate</b> 10 Hz	<b>Operating Temp</b> - 40° C to + 75° C	<b>Mounting</b> VESA 75 & 100 mm
<b>Max Tracks</b> Up to 20 Simultaneous Tracks	<b>Weather Protection</b> IP67	
<b>Instrumented Range</b> 6 km		
<b>Range</b> sUAV: > 750 m (Phantom 4) > 1 km (Matrice 600) Cessna: > 2 km		

## RADAR DIMENSIONS



## ORDERING DETAILS

FCC ID: 2ANLB-MESADAA00051

☐ WHITE 700-0005-201-100

# Software & Support

## SOFTWARE UPDATES

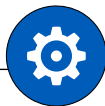
### Continuous Improvement from Software-Defined Radar

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

## TECHNICAL SUPPORT

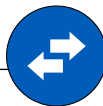
### Priority Access to Radar Support

- 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.