



EchoFlight[®]

4D Airborne Radar

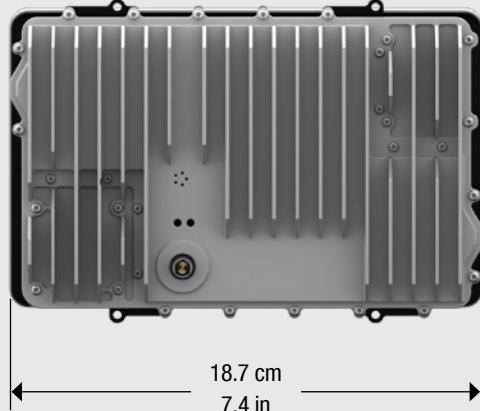
Ultra-Low SWaP

Un/tethered Drone Surveillance
Drone Interceptor Applications

Lightweight Metamaterials ESA (MESA[®]) Radar
for Airborne Platforms that is Customizable to
Mission Requirements.

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