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**

- **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**
  6 km

- **Range**
  sUAV: > 750 m (Phantom 4)
  > 1 km (Matrice 600)
  Cessna: > 2 km

**SWaP & ENVIRONMENTAL**

- **Size**
  18.7 cm x 12 cm x 4 cm

- **Weight**
  817 g (Natural Convection)

- **Power**
  +12 to +28 VDC
  45 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/Vmaps: 40 MBps
  Detections: 1 MBps
  Measurements: 1 MBps
  Tracks: 25 KBps

- **Mounting**
  VESA 75 & 100 mm
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.