

SOLUTIONS BRIEF

MESA[®] Radar for Critical Infrastructure



Efficient, Enhanced Situational Awareness for Better Decision Making

Security needs are being stretched. As the number of curious to nefarious actors increases, both from the air and on the ground, critical infrastructure protection teams require better situational awareness and more time to respond.

To maintain present operational levels with a now 3-dimensional perimeter, technology must create the advantage, act as a force multiplier, and achieve greater situational awareness. Echodyne

metamaterials electronically scanned array (MESA) radar solutions do just that and all in an ultra-low SWaP format that is mission powerful and budget friendly.

Security teams, like yours, are making MESA radar the cornerstone sensor of their security stack. They are leveraging the high-fidelity data to track all intrusions at once and to make more informed decisions.

MESA Radar is Precision Detection

Proven in mission critical defense and national security environments, Echodyne's data-rich MESA radar is the technology advantage for extended 3D situational awareness. Radar detects what's coming before your eyes can see it and provides 24/7 detection of drones, dark drones, and ground targets regardless of lighting or weather conditions. Industry standard interfaces deliver geolocated object information to your VMS, C2, and other security solutions. Radar is critical to efficiently boosting situational awareness, making more informed decisions, and keeping people and assets safe.

Energy

Keeping Generation and Distribution Secure and Safe

Faced with rising security concerns, teams are creating technology-driven advantages to inform security operations, empower law enforcement, and secure sites. MESA radar is the keystone sensor in a comprehensive security solution delivering high-fidelity data for sensor fusion and greater situational awareness. Deploy radar in hot zones, for full perimeter detection and/or 360-degree hemispheric coverage.

+ Oil & Gas + Electric & Hydroelectric + Nuclear



Correctional Facilities

Safeguarding Health and Well-Being

Multi-million-dollar systems in the most secure facilities are being breached by drones that can be made at home for a few hundred dollars. The answer to the drone threat is commercial radar that generates precise geolocated tracking data that accurately and reliably slews optical sensors for "eyes-on" identification. Real-time awareness means rapid response and minimal disruption.

+ Maximum Security + Super-Max



Water & Wastewater Systems

Securing Water for Public Consumption and Health

With a rise in CI perimeter breaches and security disruption by the curious, clueless, or disruptive operator, water and wastewater security teams are enhancing perimeter security and adding drone detection using radar. MESA radar data is highly accurate and detects threats before a human spotter or camera can, allowing more time to take corrective action and reduce public harm.

Airports

Moving People and Goods Safely and Securely

Drones have become a problem at airports. Headlines are ripe with operations and flight disruptions and concern over keeping people safe. Deploying Echodyne radar provides high-fidelity drone detection without interruption to flight operations. Identifying threats soonest means more reaction time and better outcomes.