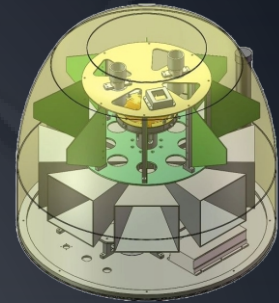




DIGITAL META PTE. LTD



I-Meta SDR-AOA Superior Extended Tracer



The I-Meta SDR-AOA Superior Extended Tracer all-band, 360-degree omnidirectional drone detector uses SDR (Software Defined Radio) and AOA (Angle of Arrival) technologies for exceptional performance.



It locks onto drone remote control and video signals, providing tracking, positioning, and trajectory display.



The device offers all-weather, long-distance, and blind spot-free detection and tracking of unauthorized drones.



Key Features:

- Identifies over 95% of consumer-grade drones, including all DJI models and DIY drones.
- Determines the direction and frequency of drone targets with an alarm function.
- Supports cross-positioning with additional equipment for precise drone location.
- Provides frequency setting and panoramic spectrum scanning capabilities.
- Collects, stores, and replays specified spectrum data offline.
Offers different modes for urban, suburban, and complex environments

Superior Detection Technology

SDR Technology: SDR (Software Defined Radio) allows for flexible, real-time processing and analysis of a wide range of frequencies, making the detection of various drone signals efficient and accurate. This technology adapts to evolving drone technologies and signal protocols.

AOA Technology: AOA (Angle of Arrival) enhances the detector's direction-finding capabilities, providing precise location data of detected drones. By determining the angle of incoming signals, AOA technology pinpoints the exact direction of the drone, enabling quick tracking and interception. Combining SDR and AOA technologies, our drone detector offers full-band coverage and 360-degree detection without blind spots, ensuring comprehensive protection against unauthorized drone incursions.

Drone Detector Specifications

Specification	Details
Detection Frequency Range	300MHz~6GHz full-band coverage
Detection Sensitivity	$\leq -110\text{dBm}$
Detection Distance	$\geq 10\text{km}$
Detection Angle	Horizontal: 360°, Elevation: not less than $-90^\circ \sim +90^\circ$
Detection and Identification Time	≤ 3 seconds
Direction Finding Accuracy	$\leq 3^\circ$ (root mean square)
Number of Array Antennas	≥ 16
Automatic North Calibration Accuracy	$\leq 2^\circ$
Device Weight	$\leq 20\text{kg}$