AEROSENTRY ONE

Drone detection sensor:

Drone & Controller Classification | All weather system

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AEROSENTRY ONE.

DRONE DETECTION

DETECTION UP TO 5KM

The AeroSentry One system is a fixed passive radio frequency (RF) scanning system, which detects the unique RF transmissions of commercial off the shelf and inconspicuous drones.

This sensor is also able to detect the drone controllers from a distance of up to 3km.

All AeroSentry One detections are then fed directly into our AeroTracker platform, providing full airspace awareness in real-time. Using multi-sensory technologies, the AeroSentry One can provide notice of a drone operating in your airspace, including information such as the range and bearing.

AeroSentry One can also be integrated into other detection systems, including radars and cameras.

Monitors all types of drones	Detection range of up to 3km	All weather system	AeroTracker Integration

HOW IT WORKS

1. AeroSentry detects a drone's RF signature between 1-3km away
2. Information displayed on our AeroTracker platform
3. Security operatives alerted or the drone jamming system automatically activated

AEROTRACKER INTEGRATION

AeroSentry One is fully integrated into our AeroTracker platform, for complete visibility on all aircraft and UAV detection, 24/7.

The cloud-based system, provides AeroTracker access on-the-go, via web browser or progressive web app.

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TECHNICAL INFORMATION

Dimensions	505mm x 415mm x 415mm
Weight	6kg
Radio Frequency	2.4 - 5.8 GHz
RF Capabilities	70 MHz to 6 GHz frequency range
Software	Bespoke AeroSentry edge computing SDR analysis
Synchronization	PPS time reference
Power	240V AC and ethernet connection
Peripherals	10/100/1000 BASE-T Ethernet Integrated GPS receiver
Operating temperature	-40°C to 55°C
Operating humidity	10 - 90 %
Operational range	Up to 3km depending on conditions
IP Rating	IP65 enclosure (all weather)
Coverage	360°
Communication	GSM or LAN
Connectivity	Local area network via Ethernet
Updates	Over the air or local

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