

AEROSENTRY ZERO



Conspicuous drone detection:

Drone & Controller Classification | All weather system



AEROSENTRY ZERO.



AeroSentry Zero is designed to monitor compliant aircraft and drones. The AeroSentry Zero sensor also receives data via ADS-B feed, as well as drone remote ID (DRI) devices such as AeroPing.

To increase airspace safety and enable a future where drones can share the skies with manned aircraft, aviation authorities around the World are bringing in mandatory requirements for drone remote identification, within the next few years.

Rugged and weatherproof, the RF sensor is designed for outdoor deployment, due to the IP65-rated enclosure. AeroSentry provides ingress protection against dust and water with extensive testing, to ensure operation under demanding environmental conditions.

The sensor also adheres to ASTM F3411-22 standards.

Monitors
compliant
drones

Adheres to
ASTM F3411-22
standards

ADS-B feed

Power over ethernet

HOW IT WORKS

AeroSentry Zero provides 3D positioning and classification of drones and their controllers, at a distance of up to 5km.

The sensor provides regular location updates, with data being received every 1-5 seconds.

ADVANCED TECHNOLOGY

Combined with expert radio frequency (RF) scanning, AeroSentry Zero also encompasses anti-spoofing technology.

Drone spoofing involves simulating a number of drones over a location, in order to cause confusion and disguise an 'actual' drone flight.

The AeroSentry Zero system accurately verifies the authenticity of a drone, ensuring that any 'spoof' drone data is classified as such.

AEROTRACKER INTEGRATION

AeroSentry Zero 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.



TECHNICAL INFORMATION

Dimensions	240mm x 130mm x 130mm (body)
Power	Power over Ethernet (POE)
Temperature	Operating -45°C to +85°C
IP Rating	IP65 enclosure (all weather)
Operational range	Up to 5km depending on conditions
Data updates	Every 1-5 seconds