

TDOA X1A

Drone Detection Equipment

Product Profile

A single X1A can independently detect and identify drones. Multiple X1As can network to precisely locate the trajectories of drones based on TDOA algorithm.

X1A collects surrounding radio signals and sorts drone signals out via AI technology. When a drone signal is identified as coming from an unwanted source, the platform will automatically alert security to take measures.

Features

Passive detection

Passive detection technology, no signal emission, highly covert

Super-wide spectrum monitoring

Frequency coverage 100MHz - 6 GHz, real-time spectrum analysis

DJI and non-DJI

DJI, DIY, WIFI, FPV, racing drone models included

TDOA-based positioning

Multiple X1A can network to locate drones

Low false alarm rate

Average false alarm rate < once per day

Explosion-proof design

State certified explosion-proof design with rugged architecture

Specifications

Work mode	RF sensing
Detection target	Drone image-transmission signal
Frequency	100MHz - 6GHz
Range	Urban environment 1 - 5 km (Variation due to environment and drone model)
Target number (simultaneously)	10+
Protection grade	Non-explosion-proof version: IP67 Explosion-proof version: IP68
Explosion-proof mark	Ex d [ia Ga] IIL T6 GB/Ex tD A21 IP68 T80° (Explosion-proof version)



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