Counter-UAS System

UADS-ZG42

Key Features

- Passive detection, 360° omnidirectional, ultra-wide spectrum detection range of 50MHz-6GHz.

- Capable of self-learning to identify unknown drones, recording their signal characteristics during flight, including standard broadband and frequency-hopping transmission for industrial and consumer drones, with patented design, a world first.

- AOA single-station identification and positioning of drones.

- Can detect, identify, and handle more than 10 targets simultaneously.

- All-weather, 24/7 unattended operation.

- Equipped with a whitelist function.

Specifications

Detection parameters	Detection range	50MHz~6GHz
	detection radius	≥5000m (depending on operating conditions)
	real-time broadband	160MHz
	Ranging accuracy	≤10%R
	Horizontal range	0-360°
Countermeasure parameters	Interference band 1	(895~935)±5MHz
	Interference band 2	(1555~1635)±5MHz
	Interference band 3	(2395~2505)±5MHz
	Interference band 4	(5730~5865)±5MHz
	Interference band 5 (optional, pro version)	(5130~5395)±5MHz
	Interference band 6 (optional, pro version)	(1165~1285)±5MHz
	Countermeasure distance	1000m (depending on operating conditions)
	response time	≤3s
Operating system	whitelisting	able fulfill (conditions or requirements)
	unattended	able fulfill (conditions or requirements)
	Data storage, historical track playback	able fulfill (conditions or requirements)
	signal recording	able fulfill (conditions or requirements)
	single-site localization	able fulfill (conditions or requirements)
	Sound and light alarm function	able fulfill (conditions or requirements)
Parameters of the whole machine	protection class	IP65 rated
	sizes	φ=500mm, H=500mm
	weights	13.5KG
	Maximum power consumption	<280W
	operating temperature	-30°60°

Application scenario