



MISSION CATALOG · CB-000052

AGT-RCD-YT AIRPORT BIRD DETERRENCE ANTI-DRONE JAMMER SYSTEM

The AGT-RCD-YT is an integrated drone detection and countermeasure system that detects, direction-finds, identifies and jams UAV control...

Model AGT-RCD-YT

KEY BENEFITS

- Latest DDS core algorithm delivers powerful FM and FPV drone jamming.
- 70 MHz–6 GHz detection coverage with a complete drone model library.
- Eight common and eight customizable strike frequencies covering 400 MHz–5.8 GHz.
- Flexible networking allows units to operate separately or paired with other detection/strike equipment.
- 1+N platform linkage integrates radar, navigation and observation assets into a unified low-altitude defense platform.
- AI self-learning drone signal acquisition module autonomously builds and updates feature libraries.
- Rugged aviation-grade aluminum enclosure, operating temperature -40 °C to +60 °C.
- Customizable color and language.

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Page 1 of 4

DESCRIPTION

The AGT-RCD-YT combines passive RF detection with targeted jamming in a single integrated platform. It continuously scans the 70 MHz–6 GHz spectrum to detect drone control and image-transmission signals, determines direction, and emits precision interference to disrupt UAVs and their remote controllers. Designed for harsh environments, the system features an aviation-grade aluminum enclosure rated IP66 and operates from -40 °C to +70 °C, while supporting flexible networking and low-altitude defense platform integration.

OVERVIEW

- The integrated drone detection and countermeasure device detects, finds the direction of and analyzes drone image-transmission and control-link signals, then emits targeted interference to achieve effective detection, direction finding, identification, positioning and jamming of drones and remote controllers.

TECHNICAL SPECIFICATION

GENERAL	
Product name	AGT-RCD-YT Airport Bird Deterrence Anti-Drone Jammer System
Model	AGT-RCD-YT
SMARTID	Cb-000052
Continuous operation	24 hours/day
HOUSING	
Material	Aviation aluminum alloy
Sealing / IP rating	IP66
DETECTION	
Frequency range	70MHz-6GHz full band
Key detection frequencies	400MHz, 800MHz, 900MHz, 1.2GHz, 1.4GHz, 2.4GHz, 5.2GHz, 5.8GHz
Detection distance	<5km
Reconnaissance airspace	360° full airspace
Direction measuring accuracy (follow)	≤10 degrees
Direction measuring accuracy (hover)	≤3 degrees

TECHNICAL SPECIFICATION

COUNTERACTION	
Defense frequency bands	800MHz, 900MHz, 1.2GHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.2GHz, 5.8GHz
Expandable defense band range	400MHz-6GHz full band
Counteraction airspace	360° full airspace
Counteraction distance	3km
DIMENSIONS	
Radial dimensions	666mm × 400mm (height, radius)
Rectangular dimensions	500mm × 460mm × 233mm (length × width × height)
WEIGHT	
Weight component 1	15kg
Weight component 2	25kg
ENVIRONMENT	
Operating temperature	-40°C~70°C
ENHANCEMENTS	
Jamming algorithm	Latest DDS core algorithm provides powerful FM and FPV drone jamming
Detection frequency coverage	70MHz-6GHz
Drone model library	Complete drone model library
Common strike frequencies	8 common frequencies
Customizable strike frequencies	8 customized frequencies, covering 400MHz-5.8GHz
Networking platform	Can be separated and paired with other detection and strike equipment for coordinated operations
Equipment linkage	1+N efficient equipment linkage access to low-altitude defense platform, integrates radar, navigation equipment and observation
AI self-learning	Equipped with drone signal acquisition module, can autonomously learn and define feature libraries
Customization	Customized color and language

COMMERCIAL TECHNICAL DATA

DATASHEET · EN

DOCUMENT CONTROL SHEET

ISSUING AUTHORITY

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BRAND	Circuitbull®
PARENT ORGANIZATION	Volls Global · volls.us

MATRIX CODES · SCAN TO OPEN

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