

DT-650

Powerful portable anti drone device based on SDR technology, integrating detection and strike functions

Omnidirectional drone detection in real-time and directional interference within 2km



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Specifications

Parameter	Technical Indicators
Detection Method	Radio spectrum sensing detection
Detection Signal Types	Drone data transmission signal, drone remote control signal, WIFI signal
Detection Frequency	840 MHz ~930MHz、1430 MHz~1444 MHz、1550 MHz~1620 MHz、 2400 MHz~2500MHz、5725 MHz~5875MHz
Detection Antenna Type	Omnidirectional antenna
Detection Distance	≥2km (open environment) , 0.5km-1km (suburban environment)
Detection Response Time	<10s
False alarm Rate	≤5%
Underreporting Rate	≤5%
Alarm Mode	LED display, audible alarm
Direction Measurement Accuracy	≤20°
Interference Countermeasures Mechanism	SDR (Software Defined Radio)
Interference Frequency	840 MHz ~930MHz、1430 MHz~1444 MHz、1550 MHz~1620 MHz、2400 MHz~2500MHz、 5725 MHz~5875MHz、2515MHz ~2675 MHz、3400MHz ~3600 MHz
Interference Capability	> 1.5km, dry to pass ratio not less than 10:1
Transmission Power Adjustment	Supports adjustable transmission power according to interference distance requirements
Interference Antenna Type	Directional antenna
Interference Antenna Transmission angle	≥30°
Interference Response Time	<5s
Continuous Working Time	Not less than 60 minutes (full frequency transmission on)
Standby Duty Time	Not less than 12 hours (single battery)
Information Display Mode	LED display screen
Information Display Content	Self check status, drone model, drone frequency band, drone signal amplitude, date time, battery level, interference duration, etc
Size	≤500mm×300mm×100mm
Weight	≤4.5kg
Working Temperature	-30°C~45°C
Power Supply Requirements	Lithium battery with 2 pieces
Protection Level	IP54