CATALOG

Precision Manufacturing Delivering Excellence

01 COMPANY

02 ANTI DRONE DEVICE

03 RF AMPLIFIER MODULES

ABOUT ZORELOCK

Company History

In the early days of the company's establishment, its Main businesses include: DDS signal source, FPGA signal Communication source and PLL generation Phase locked loop, 4G and other accessories Signal source power amplifiers, VCO components and other types of signal source equipment.

From 2015 to 2016, the company expanded its production scope and added high-power mobile phone signals Shielding instrument products are widely used in various prisons, oil storage facilities and other key fields at home and abroad Foreign countries include North America, South America, Russia, Kazakhstan and other countries, including domestic provinces and other regions.

From 2016 to 2017, the company relied on its own research and development of RF module products With the advantage of production, the production of UAV countermeasure equipment began, and the company was established to "Drone threat solutions" is the development route of the main business.

From 2017 to 2020, the company continued to improve Its technology has been accumulated into detection modules,Drone inspection tags and comprehensive combat equipment, including backpacks type, trolley box type,hemispheric type, etc., can effectively satisfy Different application needs of users in different regions scene.

In 2020, Zorelock Technology Co., Ltd. was awarded the National High-tech Enterprise Certifications.

In the future, Zorelock Technology Co., Ltd., as a production supplier, has always been committed to providing customers with high-quality and reliable customized solutions for the whole site.

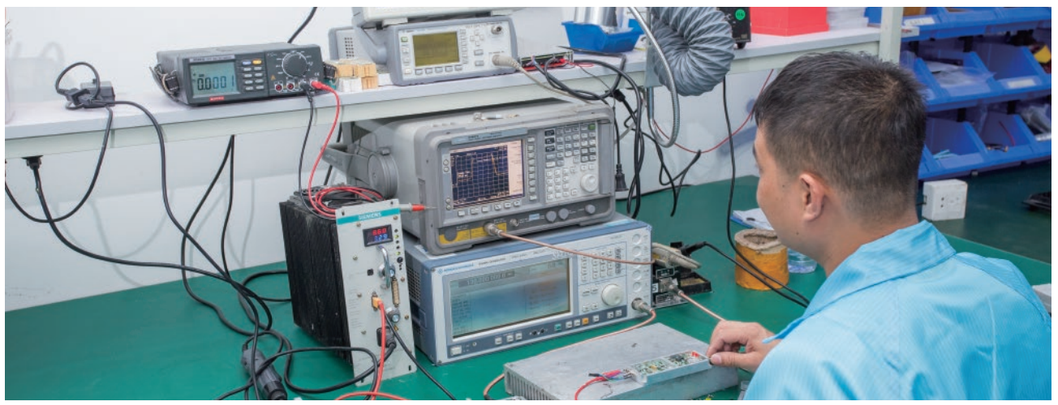
Established in 2014
Over 10 years of industry experience

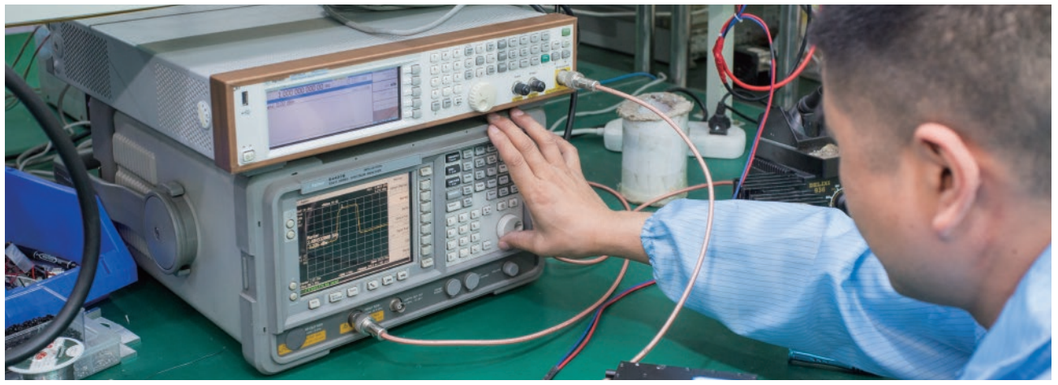
More than 20 technicians are involved in production and technical support

Provide customized design based on customer needs

FACTORY SCENE

Precision Manufacturing Delivering Excellence





CREDENTIALS

R&D CERTIFICATE

5G Communication Processing Module

Distributed Signal Network Control System

Drone Support Control Analysis System

Automation System For Wireless Communication Anti-Jamming

5G Communication Processing Synchronization Information System

Comprehensive Support Management Analysis System for UAV

Automation System For Wireless Communication Modulation

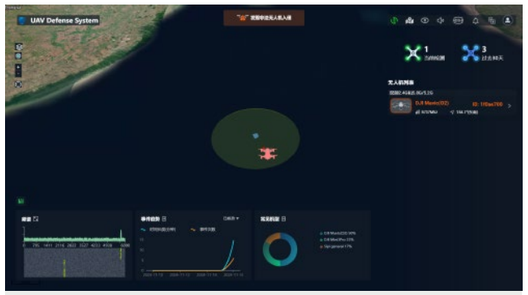
Wireless Signal Shielding Control Management System

Wireless Digital Signal Source Transmission Detection System

SOFTWARE

OPERATION PAGE

(OPERATION BACKEND - STATISTICS DASHBOARD)



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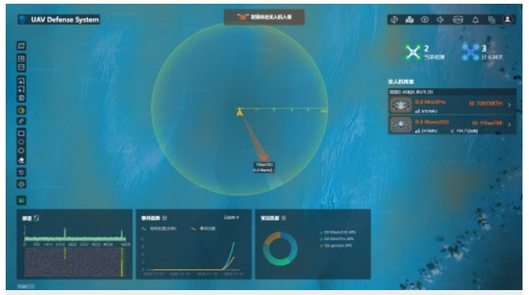
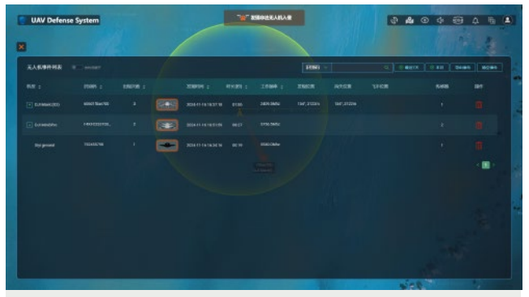


(PREDICTIVE POLICING)

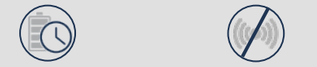
(BLACKLIST AND WHITELIST)



(LOG RECORDING)

Anti Drone Gun

Lance-CM



Long-Lasting
Built-in high-quality battery, long usage time

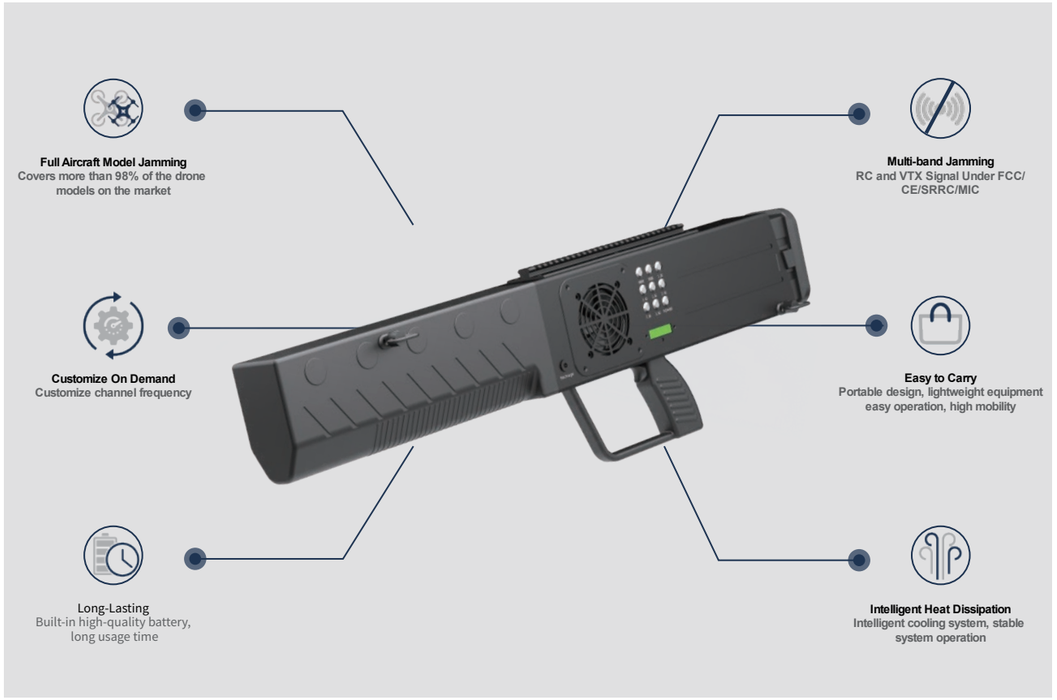
Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

Lance-CM is an advanced anti-drone gun. It emits electromagnetic waves to disrupt commercial drone signal transmission, effectively countering drone threats. It can also integrate a UAV detection module for enhanced detection capabilities. Lance-CM features a user-friendly design, making it convenient for frontline personnel and suitable for various security scenarios like airports,petrochemical depots, and gatherings.



Product Specification

Frequency and power	433M~5.8G/200W (customizable according to customer needs)
Antenna direction	Built-in high-gain directional antenna
Antenna gain	5.8G>12dBi, 2.4G>10dBi, 1.5G>8dBi, 1.2G>8dBi
System protection	Output standing wave protection, temperature protection
Appearance	Handheld gun type
Cooling system	Built-in intelligent cooling system
Control direction	Directional 60 degrees
Control distance	＜1 km

Product Introduction

Battery	Built-in 10A (28V) battery
RF output control	1 main power switch, 8 independent frequency band control switches
Power supply method	Built-in DC-28V battery power supply, sustainable power supply time>1h
Battery power display	Built-in battery indicator light at the buttstock
Sight	High-precision sight
Operating temperature	-35°C～+70°C
Size	895*260*120mm
Total weight	6kg

Backpack Type Signal Jammer

Traveler-CM

Omni-directional Transmission
Meeting the needs of multi-faceted protection

Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

Traveler-CM is a portable backpack anti-drone equipment designed for on-the-go functionality. It features omnidirectional antennas, enabling comprehensive countermeasures against drones within a 2km range.

This lightweight and user-friendly equipment is convenient for frontline personnel to operate and undergo training. It effectively meets the need for low-altitude drone countermeasures in various scenarios, including important meetings, sporting activities, and border.

Product Specification

Counter range	1km
Size	Built-in high-gain directional antenna
Weight	16kg
Power consumption	220V / 2.3A, total power consumption around 500W
Omnidirectional antenna	Weight: around 260g ; Length: <650mm
Power supply	Built-in battery power supply, or AC220V power supply
System protection	Temperature protection, standing wave protection
Cooling system	Built-in intelligent cooling system, continuous power on >12 hours;

Product Introduction

Built-in battery	Built-in 20A battery, continuous use>1 hour
Charging method	External 4A charger
Battery level display	With battery display power
Control	Switch any frequency band independently, or start the switch with one key
Overall reliability	MTBF not less than 1000 hours
System response time	Not more than 30 seconds (from boot to normal working time)
Temperature	-20℃-+50
Humidity	≤80%

Trolley Case Type Signal Jammer

Chariot-CM

ZORELOCK

Long-Lasting
Built-in high-quality battery, long usage time

Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

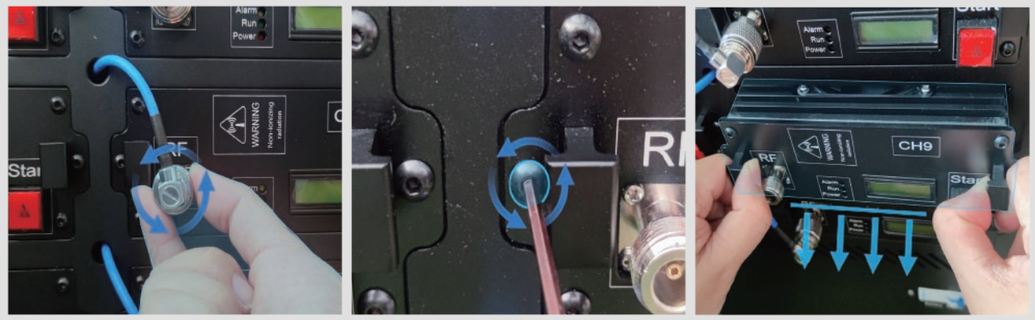
Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Intelligent Heat Dissipation
Intelligent cooling system, stable system operation

Product Introduction

Chariot-CM trolley box anti-drone equipment is specially designed for portable deployment. The body shell of the device is made of durable and reliable Pelican protective trolley case, equipped with three ventilation ports. It effectively meets the countermeasure demands for various flexible and specialized missions against drones.

The Chariot-CM providing a countermeasure range of 1km to 3km. It is suitable for key UAV security fields such as important meetings, cultural and sports activities, special EOD operations, and border inspections.



Unscrew the feeder and screws to easily replace the module

Product Specification

Product Introduction

Jamming Distance	1~2km
Jamming Angle	360°
Jamming Frequency	433M/900M/1.2G/1.4G/1.5G/2.4G/5.2G15.8G
Jamming Power	Each Channel 50W~100W
Operating temperature	-35°C~+70°C
Operating humidity	80%
Size	561*455*265mm/629*497*353mm
Weight	Up to 53kg

Suitcase Type Navigation Spoofer

Cube-SP

Long-Lasting
Built-in high-quality battery, long usage time

Omni-directional Transmission
Meeting the needs of multi-faceted protection

Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Easy to operate
The control panel is intuitive and easy to learn.

Product Introduction

The suitcase-type spoofer uses navigation signal simulation to specifically defend against typical civilian drones of various brands.

The device adopts a portable design and uses a Pelican explosion-proof box shell, which is sturdy and reliable with excellent protection performance.

The whole machine is easy to operate, and you can switch between the "forced landing" and "defense" functions by turning the knob.

Product Specification

Spoofing Frequency (10 frequency points Max)	GPS L1(1575.42M)	BDS B1(1561.098M±2.5MHz)	QZSS L1(1575.42M)
	GLONASS(1602M)	GALILEO E1(1575.42M±2.5MHz)	GPS L2(1227.6M)
	BDS B2(1207.14M)	GLONASS L2(1246M)	GPS L5(1176.45M)
Spoofing Function	Directional drive away	Circular defense	No-fly forced landing
Spoofing drones	≥8		
Power output range	-70dBm~+10dBm(Default output 10dBm)		
Power adjustment step	0.5dB		
Spoofing Distance	10km		

Product Introduction

Spoofing success rate	≥99%
Power-on start time	<30 seconds
Intrusion time	<2 seconds
Supply voltage	AC 220V
Stray	≥50dB
Enclosure protection level	IP67
Dimensions	41.8*33*17.3cm
Weight	7.8kg

Backpack Type Navigation Spoofer

Traveler-SP

ZORELOCK

Long-Lasting
Built-in high-quality battery, long usage time

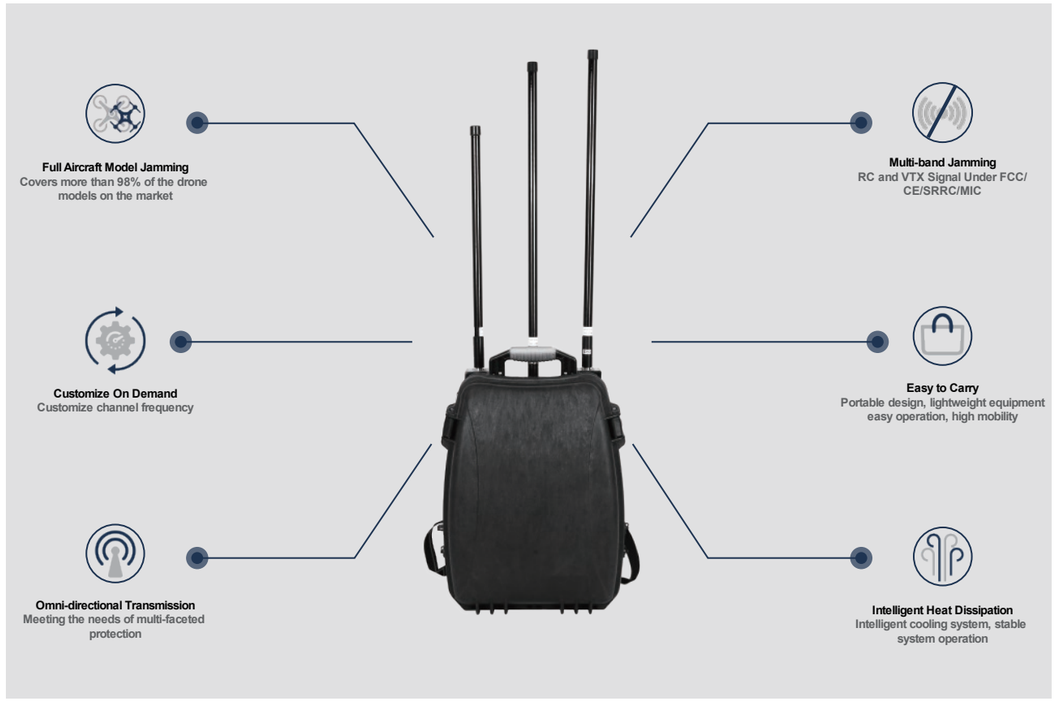
Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

The Traveler-SP backpack device uses the Rinon RPC1919 protective case, which is lightweight, portable, sturdy and durable, and is specially designed for single-soldier drone defense missions. It is suitable for VIP security, border defense, large gatherings and other scenarios.



Product Specification

Spoofing Frequency (10 frequency points Max)	GPS L1(1575.42M)	BDS B1(1561.098M±2.5MHz)	QZSS L1(1575.42M)
	GLONASS(1602M)	GALILEO E1(1575.42M±2.5MHz)	GPS L2(1227.6M)
	BDS B2(1207.14M)	GLONASS L2(1246M)	GPS L5(1176.45M)
Spoofing Function	Directional drive away	Circular defense	No-fly forced landing
Spoofing drones	≥8		
Power output range	-70dBm~+10dBm(Default output 10dBm)		
Power adjustment step	0.5dB		
Spoofing Distance	10km		

Product Introduction

Spoofing success rate	≥99%
Power-on start time	<30 seconds
Intrusion time	<2 seconds
Supply voltage	AC 220V
Stray	≥50dB
Enclosure protection level	IP67
Dimensions	35*19*49cm
Weight	7.8kg

7*24hours Non-Stop Signal Jammer

Praetorian-CM

Long-Lasting
Built-in high-quality battery, long usage time

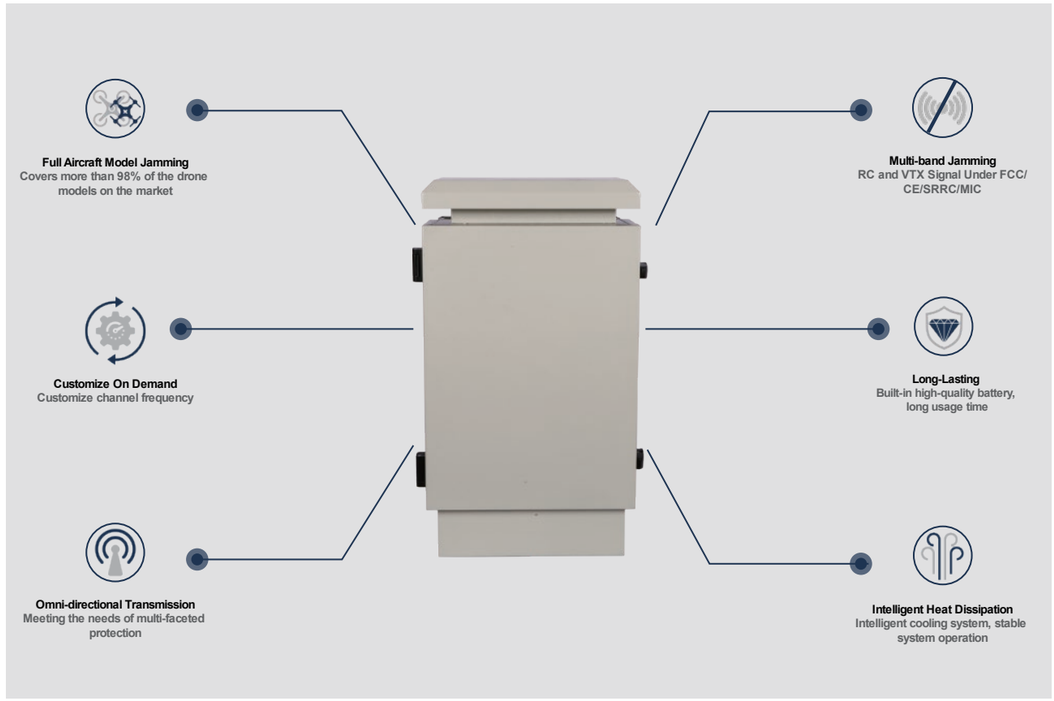
Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Easy to Carry
Portable design, lightweight equipment easy operation, high mobility

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

Praetorian-CM uninterrupted drone jammer is made of sheet metal processing, designed for outdoor environment, durable and can effectively maintain operation in various meteorological environments, such as thunderstorm, fog, snow and other extreme weather. The equipment can be mounted on a pole or wall, and multiple devices can be networked to achieve regional coverage of drone counter-measures. It is suitable for key security fields such as prison guards, important gatherings, petroleum and petrochemicals.



Product Specification

CH1	430-440MHz	50W	4.5A
CH2	860-930MHz	50W	4.5A
CH3	1170-1280MHz	50W	4.5A
CH4	1430-1444MHz	50W	4.5A
CH5	1550-1620MHz	50W	4.5A
CH6	2400-2485MHz	100W	7A
CH7	5150-5350MHz	80W	7A
CH8	5725-5850MHz	80W	7A

Product Introduction

Interference distance	1~3km
Complete machine weight	40~60kg (depending on actual specifications)
Power input	AC 210V～240V
Communication interface	RJ45
Installation environment	Wall-mounted/pole-mounted
Installation height	5～15m
Casing material	Iron paint
Operation environment	-40℃～60℃

Stationary Navigation Spoofer

Forger-SP

ZORELOCK

Long-Lasting
Built-in high-quality battery, long usage time

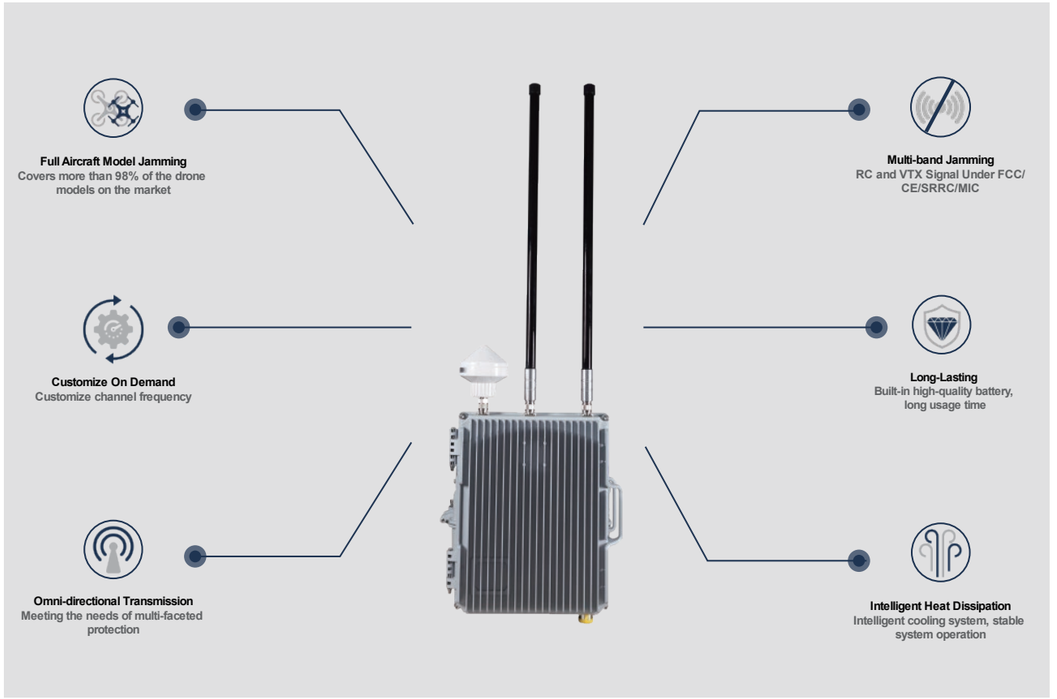
Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable system operation

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

The die-cast chassis drone Spoofer device uses navigation signal simulation to specifically defend against typical civilian drones of various brands. The device has an aluminum alloy shell, which is sturdy and reliable, with excellent protection performance and suitable for outdoor deployment such as VIP security, oil and gas field facility security.



Product Specification

Spoofing Frequency (10 frequency points Max)	GPS L1(1575.42M)	BDS B1(1561.098M±2.5MHz)
	GLONASS(1602M)	GALILEO E1(1575.42M±2.5MHz)
	QZSS L1(1575.42M)	GPS L2(1227.6M)
	BDS B2(1207.14M)	GLONASS L2(1246M)
	GPS L5(1176.45M)	GALILEO E5(1176.45M)
Spoofing Distance	Output power 10mW, spoof distance > 500m;	
	Output power 0.1W, spoof distance > 1km;	
	Output power 1W, spoof distance > 2km;	

Product Introduction

Power-on start-up time	<30 seconds
Intrusion time	<2 seconds
Stray	≥50dB
Supply voltage	AC 220V
Communication interface	RJ45
Chassis protection level	IP64
Dimensions	39.5*31*15.5cm (without antenna)
Weight	15kg (without antenna)

Stationary Signal Jammer

Forger-CM

ZORBLOCK

Long-Lasting
Built-in high-quality battery, long usage time

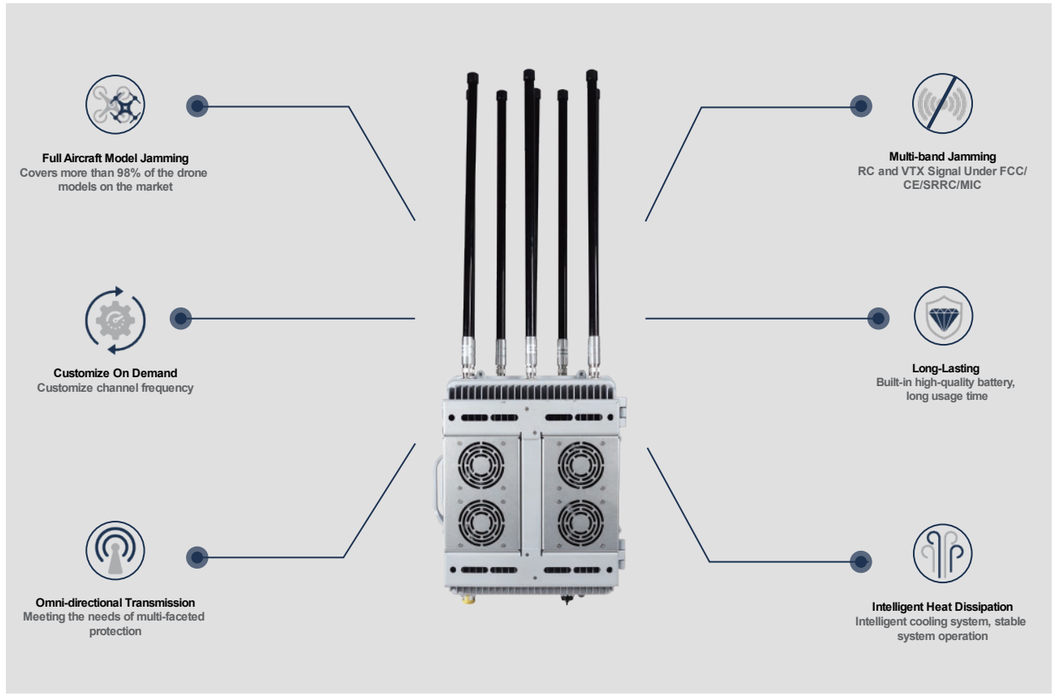
Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable system operation

Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

Forger-CM stationary jammer is specially designed for outdoor deployment. It can be installed on a pole or wall. It is durable and can effectively maintain operation in thunderstorms, heavy fog, snowfall and other weather. The device can also switch between omnidirectional countermeasures and directional countermeasures by replacing different types of antennas to meet the diverse needs of UAV countermeasures. It is suitable for key security fields such as important conferences,military camps, petrochemicals, and photovoltaic power plants.



Product Specification

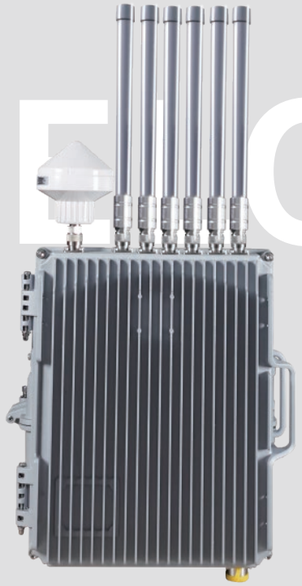
*Channels	Frequency(MHz)	Output Power
CH1	420-480	50W
CH2	860-930	50W
CH3	1160-1300	50W
CH4	1300-1400	50W
CH5	1520-1620	50W
CH6	2400-2483.5	100W
CH7	5150-5350	80W
CH8	5720-5850	80W

Product Introduction

Jamming Distance	1~2km
Weight	26.5kg（without antenna）
Size	47*38*28cm（without antenna）
Power Supply	AC 210V~240V
Temperature/humidity	-20℃-+50℃/≤80%
Machine reliability	MTBF not less than 1000 hours
System response time	No more than 30 seconds (from power-on to normal system operation)

Stationary Drone Detector

Forger-DET



Long-Lasting
Built-in high-quality battery, long usage time

Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable system operation

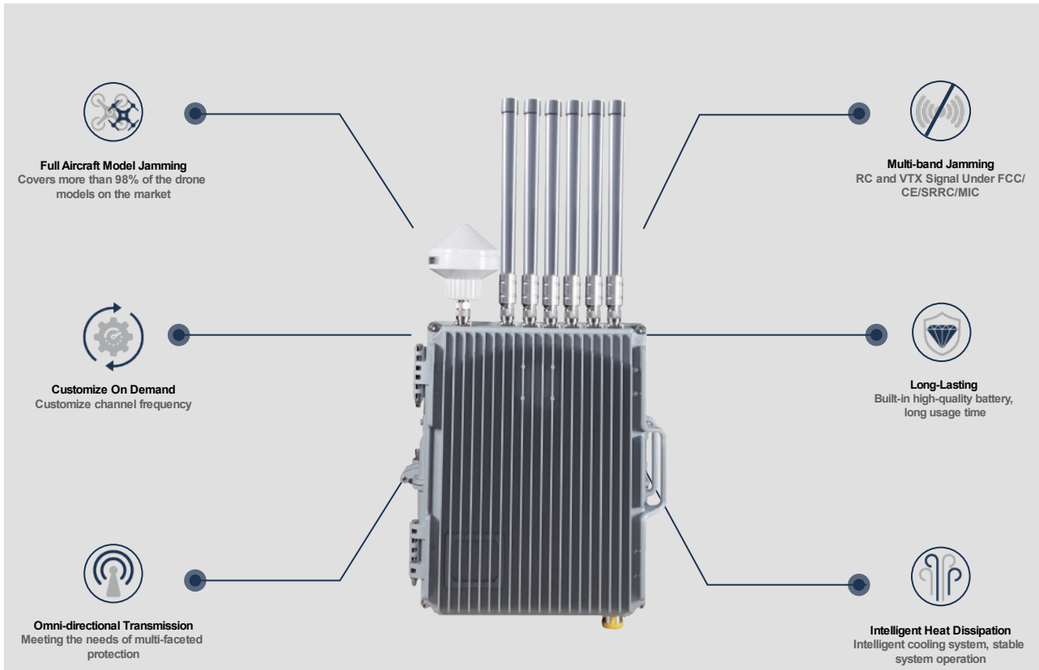
Full Aircraft Model Jamming
Covers more than 98% of the drone models on the market

Product Introduction

Forger-DET fixed drone message parsing and detection equipment is designed foroutdoor deployment. It can be mounted on a pole or on a wall.

It is durable and can effectively maintain operation in various meteorological environments, such as thunderstorms, fog, snowfall and other extreme weather conditions.

It is suitable for key drone security fields such as important meetings, military camps,petrochemicals, photovoltaic power stations, etc.



Product Specification

Size	380mm x180 mmx180mm
Detection frequency	900MHz/2.4GHz/5.8GHZ
Weight	15kg (without antenna)
Power consumption	300W
Protection rating	IP65
Operating temperature	-25℃-+55℃
Power supply	AC 100-240V，50/60Hz

Software interface

Stationary Directional Signal Jammer

Sheild-CM

Vehicle-Mounted
Can be installed in a vehicle; Vehicle-mounted installation

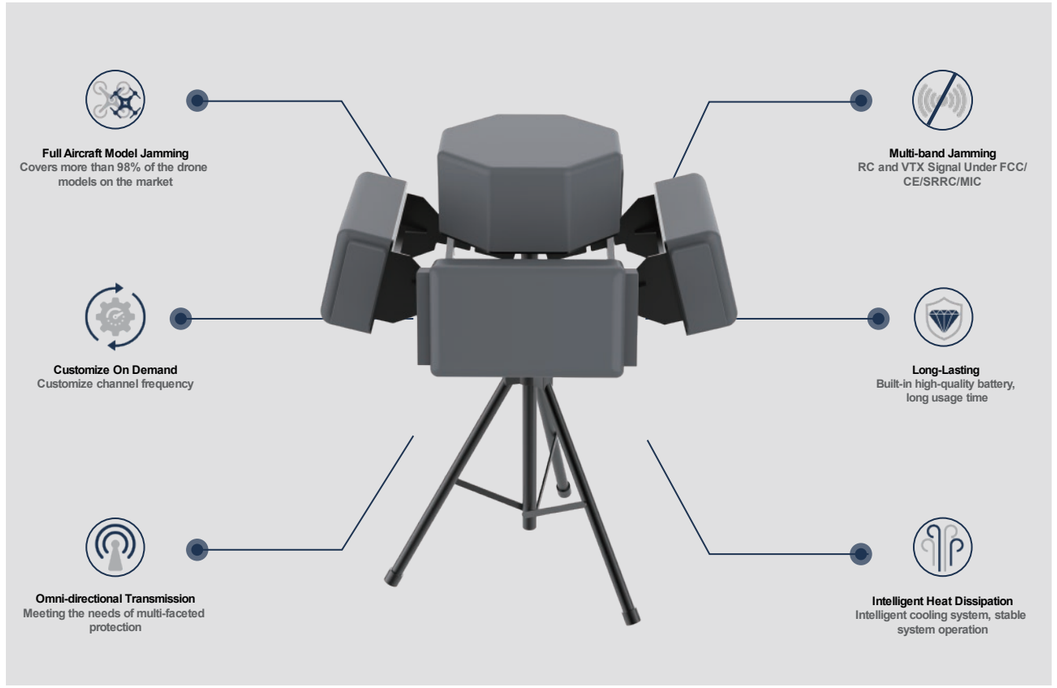
Long-Lasting
Built-in high-quality battery, long usage time

Multi-band Jamming
RC and VTX Signal Under FCC/ CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable system operation

Product Introduction

The Shield-CM-2 detection and jamming system consists of a direction-finding device and four directional jamming devices.
It is durable and can effectively maintain operation in various meteorological environments, such as thunderstorms,fog, snowfall and other extreme weather conditions.
It is suitable for key drone security fields such as important meetings, military camps, petrochemicals, photovoltaic power stations, etc.



Product Specification

*Channels	Frequency(MHz)	Output Power
CH1	430-440MHz	50W
CH2	840-930MHz	50W
CH3	1170-1280MHz	50W
CH4	1430-1444MHz	50W
CH5	1550-1620MHz	50W
CH6	2400-2485MHz	50W
CH7	5150-5350MHz	50W
CH8	5725-5850MHz	50W

Product Introduction

Detection Distance	1.5-3km
Power Supply	AC 210V~240V
Temperature/humidity	-20℃-+50℃/≤80%
Machine reliability	MTBF not less than 1000 hours
System response time	No more than 30 seconds (from power-on to normal system operation)

Stationary Drone Detector

Dome-DET-3

Vehicle-Mounted
Can be installed in a vehicle;
Vehicle-mounted installation

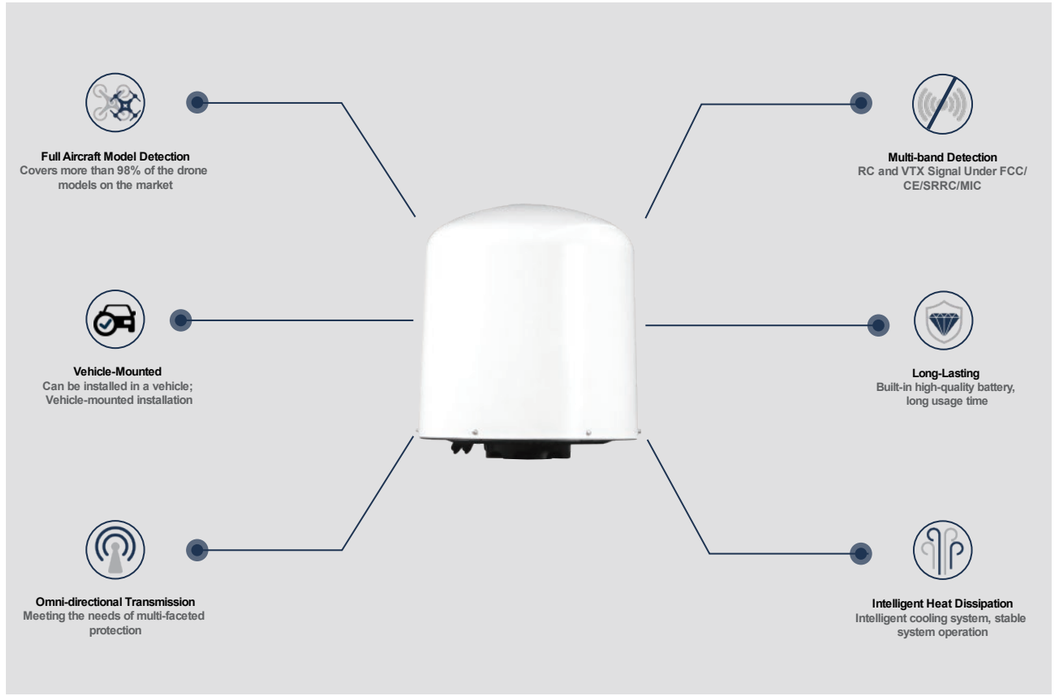
Long-Lasting
Built-in high-quality battery,
long usage time

Multi-band Jamming
RC and VTX Signal Under FCC/
CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable
system operation

Product Introduction

Dome-DET-3 is a wireless RF passive automatic detection system that supports 360-degree omnidirectional coverage.
It has advanced warning, blacklist and whitelist functions, identity recognition, and supports automatic counter-drone defense systems.
It uses a high-performance directional antenna and has drone direction finding capabilities.

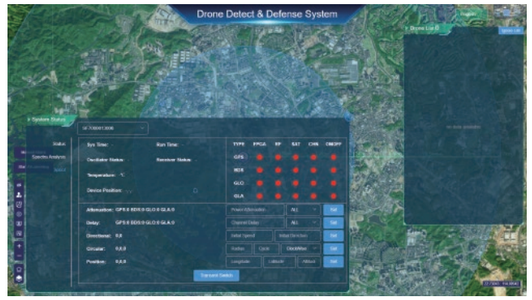


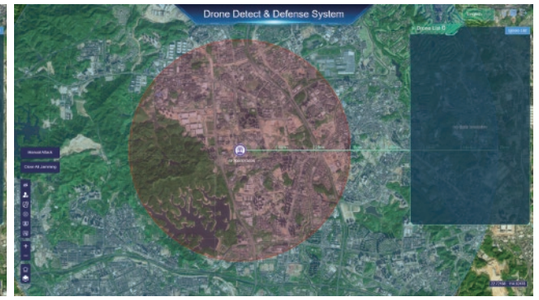
Product Specification

Size	380mm x180 mmx180mm
Detection frequency	900MHz/2.4GHz/5.8GHZ
Weight	10kg
Power consumption	300W
Protection rating	IP65
Operating temperature	-25℃-+55℃
Power supply	AC 100-240V，50/60Hz

Software

Software interface





Vehicle-mounted Signal Jammer

VM-CM

Vehicle-Mounted
Can be installed in a vehicle;
Vehicle-mounted installation

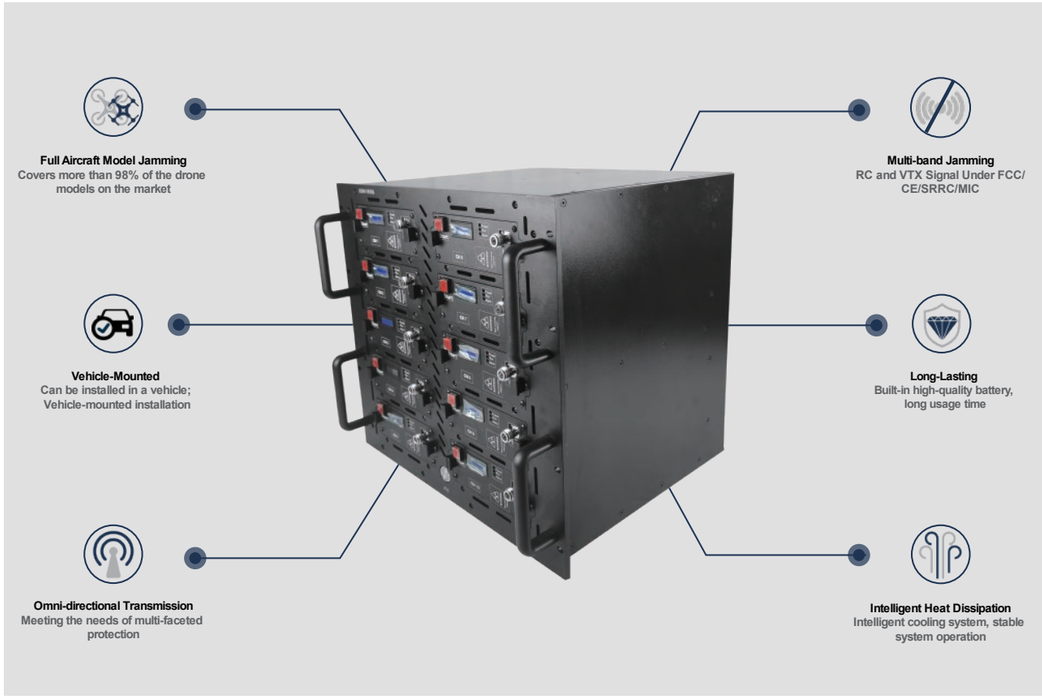
Long-Lasting
Built-in high-quality battery,
long usage time

Multi-band Jamming
RC and VTX Signal Under FCC/
CE/SRRC/MIC

Intelligent Heat Dissipation
Intelligent cooling system, stable
system operation

Product Introduction

The VM-CM anti-drone device is designed for vehicle deployment. It has high power, multiple channels, and modular design. It can be highly customized according to the specific requirements of customers. The countermeasure distance exceeds four kilometers, which can effectively meet the anti-sneak shooting and anti-terrorism needs of various key security areas, such as conference venues, sports events, performances, etc.



Product Specification

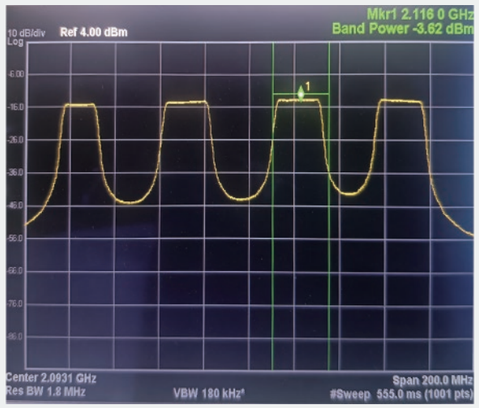
Channels	Frequency(MHz)	Output Power
CH1	430-440MHz	100W
CH2	915-928MHz	100W
CH3	1200-1300MHz	80W
CH4	1560-1620MHz	100W
CH5	2400-2500MHz	120W
CH6	2400-2500MHz	120W
CH7	5700-5850MHz	80W
CH8	5700-5850MHz	80W

Product Introduction

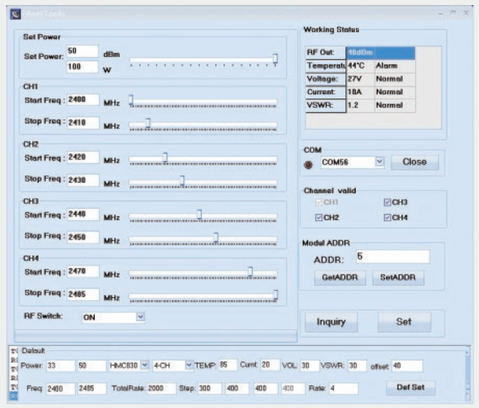
Antenna type	High-gain omnidirectional antennas (8 pieces, with flanges)
Antenna size	Length 760mm, diameter 35mm
Size	Chassis 433*381*396mm;Panel 482.5*389*400mm
Weight/Power supply	<20Kg/AC：110V~240V DC：28V
Temperature/humidity	-20℃-+50℃/≤80%
Overall reliability	MTBF not less than 1000 hours
System response time	Not more than 30 seconds (from power-on to system normal working time)

DDS RF Amplifier Anti Drone Module

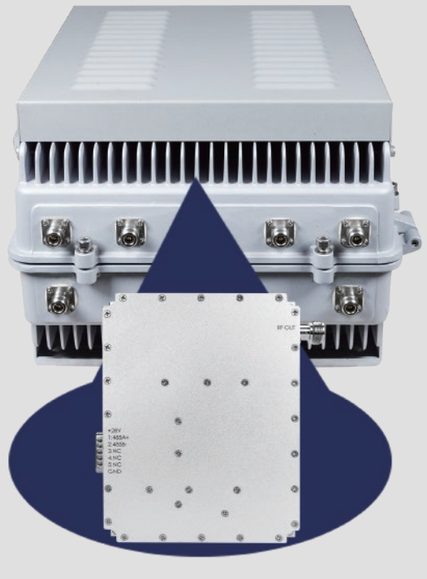
DPA15512560/DPA15712328



4 Sub-Bands in One Module



Software Interface



Product Introduction

This module is developed based on SDR (Software-defined Radio) technology, generating and amplifying a maximum bandwidth of about 300MHz between 20MHz and 6GHz.

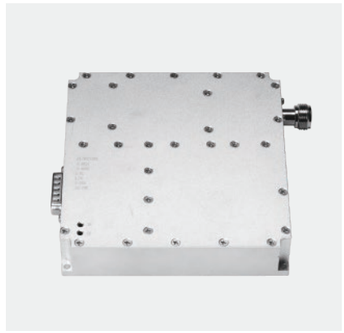
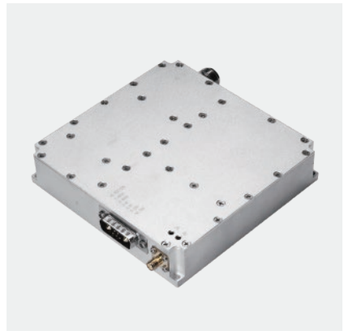
Application range: Signal jammer for wireless communication products such as mobile phones/walkie-talkies/RC Drone/RC Car/RC Boat.

Product Introduction

Test items	Indicator	Remark
Operating Voltage	28V	28-30V
Conversion Efficiency	≥42%	100W Typical
Controllable Output Power	10W～Actual maximum power	Software-configurable power
ALC Power Adjustment Range	≥30dB	Voltage-Controlled Attenuation
RF Output Connector	N-F	
LCD Liquid Crystal Display	Display frequency, power, and on/off status	
LED Module Indicators	POWER: Power indicator，RUN: Power operation indicator，ALARM: Alarm indicator	
Size	155*125*60mm/157*123*28mm	
Weight	1.6kg/863g	

RF Amplifier Anti Drone Module

VPA12512125


Product Range

Frequency Band

Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
5150-5300MHz	200	100
5725-5875MHz	200	100

Radio Frequency Indicators

Test Items	Parameter	Remark
Operating frequency	5150-5300MHz/5725-5875MHz	
Working bandwidth	150M	
Output Power	49±1dBm	80W
Operating voltage	28V	24-30V
Working current	≤8.5A	80W
Output Power	80W	
ALC power adjustment range	≤10dB	Voltage Controlled Attenuation
In-band fluctuation	≤±1.5dB	Peak-to-Peak
Output VSWR	≤2.0	
Working environment temperature	-40～+85℃	
Power stability	±1.5dB @-40℃～+85℃	
Power supply	A1:+28V, A2:GND; Control RS485: 1pin:485A; 2pin:485B; Others NC;	
RF output connector	N F-Connector	
3 LED lights	POWER: power indication; RUN: operation indication; ALARM: alarm indication;	
Dimensions	125*121*25mm	
weight	673.2g	

RF Amplifier Anti Drone Module

VPA1629226



Product Range

Frequency Band

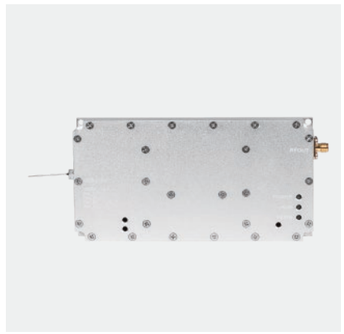
Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
700-830/830-1000	150	150/200
1000-1600/1800-1900/2000-2200	200	100/150/200
2400-2500/3300-3600/4800-6000	200	200/50/80

Radio Frequency Indicators

Test Items	Indicator	Remark
Operating Voltage	28V	28-30V
Maximum Output Power	50±0.5dBm	
Operating Current	9A	@100W Typical
Gain	50±1.0dB	
Power Requirements	≥9A @+28Vdc；	Continuous wave output of 100W
Maximum Allowable Input Power	≤10dBm	Lasts 1min without damage
Input VSWR	≤1.50	Add +28V, standard network output -10dBm
Output VSWR	≤1.50/≤1.50	Power applied,bidirectional coupler testing
Module Protection	VSWR protection	Over-temperature protection
interface RS485	7W2	Male connector
RF Output Connector	N-F	
Signal Source Input	Built-in high-speed noise modulation signal source	
LED Module Indicators	POWER: Power indicator； RUN: Operation indicator； VSWR: VSWR alarm indicator	
Size	162*92*26mm	

RF Amplifier Anti Drone Module

VPA1407120



Product Range

Frequency Band

Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
400-600	100	50
700-1000	150	100
1.1-1.6GHz/1.6-4GHz/4-6.0GHz	200	100/50/50

Radio Frequency Indicators

Test Items	Indicator	Remark
Operating Voltage	28V	28-30V
Maximum Output Power	47±0.5dBm	
Operating Current	≤5A	@50W Typical
Gain	47±1.0dB	
Power Requirements	≥4.5A @+28Vdc；	Continuous wave output of 50W
Maximum Allowable Input Power	≤10dBm	Lasts 1min without damage
Input VSWR	≤1.50	Add +28V, standard network output -10dBm
Output VSWR	≤1.50/≤1.50	Power applied,bidirectional coupler testing
Gain Stability	±1.5dB@-10℃～+55℃	Low-temperature startup, monitoring functions
interface RS485	7W2	Male connector
RF Output Connector	SMA-F	
Signal Source Input	Built-in high-speed noise modulation signal source	
LED Module Indicators	POWER: Power indicator； RUN: Operation indicator； VSWR: VSWR alarm indicator	
Size	140*71*21mm	
Weight	390g	

RF Amplifier Anti Drone Module

VPA1195016-XH2.54



Product Range

Frequency Band

Bands(MHz)	Power(dBm)	Current	Signal Source	Transistor
700-800	44dBm	3.5A	VCO	LDMOS
800-900	44dBm	3.5A	VCO	LDMOS
900-1100	44dBm	3.5A	VCO	LDMOS
1200-1400	44dBm	3.5A	VCO	LDMOS
1500-2400	44dBm	3.5A	VCO	LDMOS
2400-2700	44dBm	3.5A	VCO	LDMOS

Product

Radio Frequency Indicators

Item	Index	Remark
Operating bandwidth	<150M	Optimize CF/BW in operating band
Operating voltage	28V	12V~30V
Maximum output power	3±1dBm	Typical
Signal source mode	Gaussian white noise	Power on, dual directional coupler test
Operating temperature (℃)	-40～+85℃	Cold-start capable, monitoring nominal
Power stability	±1.5dB	-40℃～+85℃
Communication method	RS485 ,USB	
Appearance size	120*60*20mm	

RF Amplifier Anti Drone Module

VPA1173620

Product Range

Frequency Band

Bands(MHz)	Power(dBm)	Current	Signal Source	Transistor
430-440	47±1dBm	≤4.5A	VCO	GaN
840-930	47±1dBm	≤4.5A	VCO	GaN
1170-1280	47±1dBm	≤4.5A	VCO	GaN
1430-1444	47±1dBm	≤4.5A	VCO	GaN
1550-1620	47±1dBm	≤4.5A	VCO	GaN
2400-2485	47±1dBm	≤5A	VCO	GaN
5150-5350	47±1dBm	≤5.5A	VCO	GaN
5725-5850	47±1dBm	≤5.5A	VCO	GaN

Product

Radio Frequency Indicators

Test Items	Index	Mark
Operating voltage	28V	24-30V
In-band fluctuation	±2dB	Peak-to-Peak
Maximum allowable input power	≤10dBm	Lasts for 1 minute without damage
Output voltage standing wave	≤1.50	Power on, dual directional coupler test
Operating temperature	-25～+85℃	
RF output connector	SMA-F	
Module protection	Over temperature protection, standing wave protection	
Weight	153g	

RF Amplifier Anti Drone Module

VPA1195016

Product Range

Frequency Band

Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
700-2700	150	30
3300-3600	150	30
4800-6000	200	30

Product

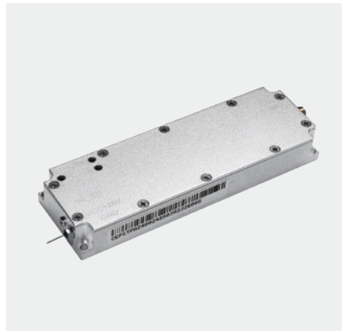
Radio Frequency Indicators

Maximum Output Power (dBm)	≥45
In-Band Group Delay (us)	≤1us
In-band fluctuation(dB)	≤3 (peak-to-peak value)
Input VSWR	≤1.5
Output VSWR	≤1.5
Supply Voltage	Typical 28Vdc, range 24V-30V
Supply Current	＋28 Vdc @30W/2.5A
Output RF Connector	SMA-50KFD
Operating Temperature	-20～+70℃
Size	119×50×16mm
Weight	185.6g
Protection Function	Temperature protection, standing wave protection
Input Signal Source	Built-in high-speed frequency-hopping-noise modulation signal source
Power Input	+28V power input, and GND;

RF Amplifier Anti Drone Module

VPA1213816





Product Range

Frequency Band

Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
390-2700	150	25
4500-6000	200	25
6000-6200	150	10

Product

Radio Frequency Indicators

Maximum Output Power (dBm)	≥44
In-Band Group Delay (us)	≤1us
In-band fluctuation(dB)	≤3 (peak-to-peak value)
Input VSWR	≤1.5
Output VSWR	≤1.5
Supply Voltage	Typical 28Vdc, range 24V-30V
Supply Current	＋28 Vdc @30W/2.5A
Output RF Connector	SMA-50KFD
Operating Temperature	-20～+70℃
Size	121×38×16mm
Weight	142g
Protection Function	Temperature protection
Input Signal Source	Built-in high-speed frequency-hopping-noise modulation signal source
Power Input	+28V power input, and GND;

RF Amplifier Anti Drone Module

VPA814515


Product Range

Frequency Band

Frequency Range (MHz)	Max Bandwidth (MHz)	Max Power (W)
390-2700	200	10
3300-3800	200	5
4800-6000	200	10

Product

Radio Frequency Indicators

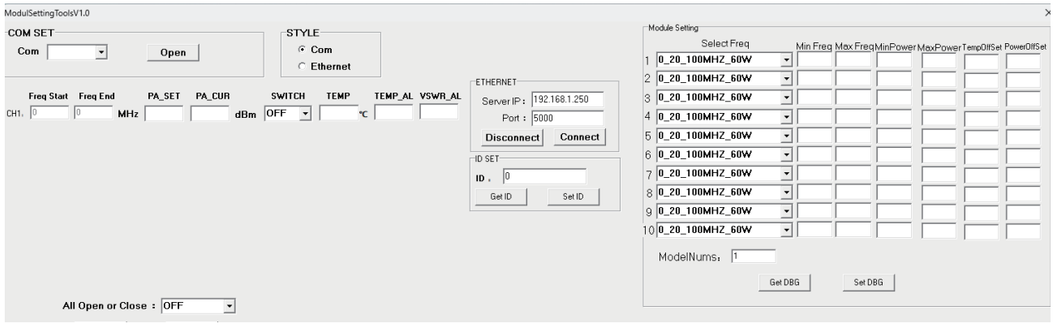
Maximum Output Power (dBm)	≥40
In-Band Group Delay (us)	≤1
Gain(dB)	40±1.0
In-Band Ripple(dB)	≤2 (peak-to-peak value)
Input VSWR	≤1.35
Output VSWR	≤1.3
Power Requirements	＋24 Vdc@10W/0.9A
Output RF connector	SMA-50KFD
Working temperature	-20～+70℃
Size	81×45×15mm
Module Protection	Temperature protection
Small Signal Control Switch	3.3V/5V: On; 0V:Off
Input Signal Source	VCO
Power Input	DC 28V

RF Amplifier Anti Drone Module

C1

Introduction

Software Interface



Product

Specification

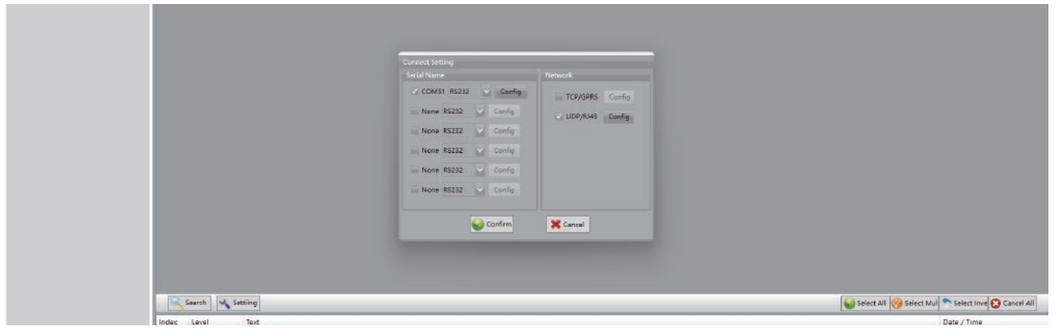
Communication interface	RS485
Number of channels	10
Weight	236.2g
Input voltage	DC 12V(9-24V)
Output voltage	DC 5V
Supporting software	PAModSetToolsV1.0.exe

RF Amplifier Anti Drone Module

FSG1206020

Introduction

Software Page



Product

RF indicators

Test Items	Index	Remark
Operating bandwidth	<150M	Optimize CF/BW in operating band
Operating voltage	28V	12V~30V
Maximum output power	3±1dBm	Typical
Signal source mode	Gaussian white noise	Power on, dual directional coupler test
Operating temperature (℃)	-40～+85℃	Cold-start capable, monitoring nominal
Power stability	±1.5dB	-40℃～+85℃
Communication method	RS485 ,USB	
Appearance size	120*60*20mm	