MASTOOR
DEFENSE
TECHNOLOGIES

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ANTI-TERRORISM AND EOD PRODUCT MANUAL

MASTOOR
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SOFTWARE
DEFINED
SAFE WORLD

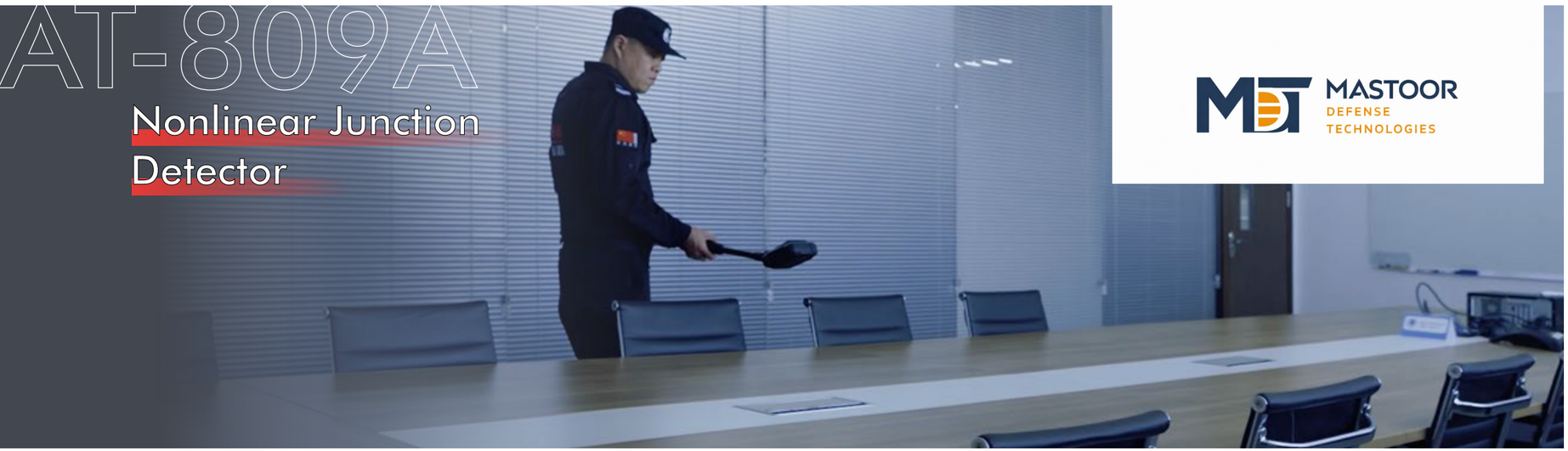


PRODUCTS

PRODUCTS

AT-809A

Nonlinear Junction Detector



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

A domestically leading nonlinear junction detector, relying on independently developed harmonic detection technology, integrating non-destructive testing and precise phase algorithm, can detect electronic devices hidden in packages, walls, floors, ceilings, lamps, furniture or containers, regardless of whether they are turned on or in working condition. The detector can be widely used for electronic explosive investigation, inspection of illegal equipment for covert recording and photographing devices and photographing, and inspection of prohibited items in correctional facilities.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for nonlinear junction detectors.

High Sensitivity

Built in high gain antenna, with a receiving sensitivity as low as -140dBm, can quickly identify equipment containing semiconductor devices hidden in walls or furniture.

Strong Detection Penetrability

Capable of detecting through a 550mm-thick brick wall and meeting industry standards as a C-level product (highest level).

Long Detection Distance

A maximum detection distance greater than 10 meters and meeting industry standards as a C-level product (highest level).

Long Battery Life

A single battery supports operating for over 9 hours, which can meet the requirements of a single inspection task.

Self-control

Self-developed and self-produced, with high product quality and short supply cycle.

Technical Specifications

Working band	2400MHz
Transmit frequency	2.4GHz~2.5GHz
Receive harmonics	4.8GHz~5.0GHz / 7.2GHz~7.5GHz (2nd~3rd harmonics)
Transmit power	0~4W (EIRP), in maximum pulse mode
Detection distance	≥ 10m, compliant with the C-level product standard specified in GA1236-2015
Receive sensitivity	≤ -140dBm
Receive dynamic	30dB
Interactive interface	LCD display of received harmonic signal strength; Audio alerts, available through headphones or external speakers; Vibration alerts
Battery	Replaceable lithium battery
Operating time (single battery)	≥ 9h (in maximum pulse mode)
Charging	2.5 hours per battery (fast charging)
Size	780mm * 177mm * 112mm
Weight	< 1.8kg
Working temperature	-30℃~+55℃
Working humidity	95%RH (40℃)

AT-802

Portable Nonlinear Junction Detector





MASTOOR DEFENSE TECHNOLOGIES



Nonlinear Junction Detection

Product Introduction

A miniaturized portable nonlinear junction detector that can detect electronic devices hidden in walls, floors, ceilings, lamps, furniture or containers. Regardless of whether these electronic devices are emitting signals or turning on/off, they can be alerted through various means such as display, sound, and vibration, allowing detection personnel to find the target device and protect organizational and personal privacy.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for nonlinear junction detectors.

Portable and Easy to Operate

Light, small and foldable, which is easy to carry and take away; The function buttons are clear and easy to operate.

Strong Detection Penetrability

Capable of detecting through a 370mm-thick brick wall and meeting industry standards as a C-level product (highest level).

Long Detection Distance

A maximum detection distance greater than 6 meters and meeting industry standards as a C-level product (highest level).

Long Battery Life

With a battery life of over 3 hours, it can meet the requirements of a single inspection task.

Technical Specifications

Working band	2400MHz
Transmit frequency	2.4GHz~2.5GHz
Receive harmonics	4.8GHz~5.0GHz / 7.2GHz~7.5GHz (2nd~3rd harmonics)
Transmit power	0~4W (EIRP), in maximum pulse mode
Detection distance	≥ 6m, compliant with the C-level product standard specified in GA1236-2015
Penetrability	Can penetrate 370mm thick brick walls, compliant with the C-level product standard specified in GA1236-2015
Receive sensitivity	≤ -125dBm
Interactive interface	LCD display of received harmonic signal strength; Audio alerts, available through headphones or external speakers; Vibration alerts
Battery	Built-in lithium battery
Operating time	≥ 3h (in maximum pulse mode)
Size	370mm * 96mm * 38.5mm
Weight	0.5kg ± 0.05kg
Working temperature	-10℃~+55℃
Working humidity	No more than 93%RH, with no condensate



AT-802S

Portable Nonlinear Junction Detector

MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

A miniaturized portable nonlinear junction detector that can be used to detect hidden electronic devices. Cooperate with the telescopic rod to easily adapt to different detection environments, such as ceilings, lamps, air vents, etc. It can be widely applied in various fields such as government, public security, prisons, judiciary, military, education and examination, commercial security, and personal privacy protection.

Portable and Easy to Operate

Light, small and foldable, which is easy to carry and take away; The function buttons are clear and easy to operate.

Wide Detection Range

Equipped with the telescopic rod, ensuring portability while effectively increasing detection distance; Can reach areas that are difficult to directly access such as ceilings, lamps, air vents, etc.

Strong Detection Penetrability

Capable of detecting through a 370mm-thick brick wall and meeting industry standards as a C-level product (highest level).

Long Detection Distance

A maximum detection distance greater than 4 meters and meeting industry standards as a B-level product.

Long Battery Life

With a battery life of over 4 hours, it can meet the requirements of a single inspection task.

High Cost Performance

Balancing high performance and cost-effectiveness to meet the needs of customers with limited budgets.

Technical Specifications

Transmit frequency	2.4GHz~2.5GHz
Receive harmonics	4.8GHz~5.0GHz / 7.2GHz~7.5GHz (2nd~3rd harmonics)
Transmit power	0~4W (EIRP), in maximum pulse mode
Detection distance	≥ 4m, compliant with the C-level product standard specified in GA1236-2015
Penetrability	Can penetrate 370mm thick brick walls, compliant with the C-level product standard specified in GA1236-2015
Receive sensitivity	≤ -125dBm
Interactive interface	LCD display of received harmonic signal strength; Audio alerts, available through headphones or external speakers; Vibration alerts
Battery	Built-in lithium battery, working time of over 4 hours (in maximum pulse mode)
Size (device)	(370mm * 96mm * 38.5mm) ± 5mm
Size (package)	(520mm * 420mm * 148mm) ± 10mm
Length of telescopic rod	100cm
Weight (device)	0.5kg ± 0.1kg
Working temperature	-30℃~+55℃
Working humidity	No more than 93%RH, with no condensate



AT-809B

Intelligent Nonlinear Junction Detector

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Product Introduction

A more professional intelligent nonlinear node detector, relying on independently developed harmonic detection technology, integrating non-destructive testing and precise phase algorithm, can detect electronic devices hidden in packages, walls, floors, ceilings, lamps, furniture or containers, regardless of whether they are turned on or in working condition. The detector can be widely used for electronic explosive investigation, inspection of illegal equipment for wire lapping and photographing, and inspection of prohibited items in correctional facilities.

Mobile Intelligent Detect

Optimization of algorithms for mobile phone feature recognition, capable of identifying three types of targets: mobile phones, semiconductor nodes, and metal corrosion nodes.

Strong Detection Penetrability

Capable of detecting through a 370mm-thick brick wall and meeting industry standards as a C-level product (highest level).

Long Detection Distance

A maximum detection distance greater than 6 meters and meeting industry standards as a C-level product (highest level).

Long Battery Life

A single battery has a range of over 4 hours, which can meet the requirements of a single inspection task.

Flexible & Simple Operate

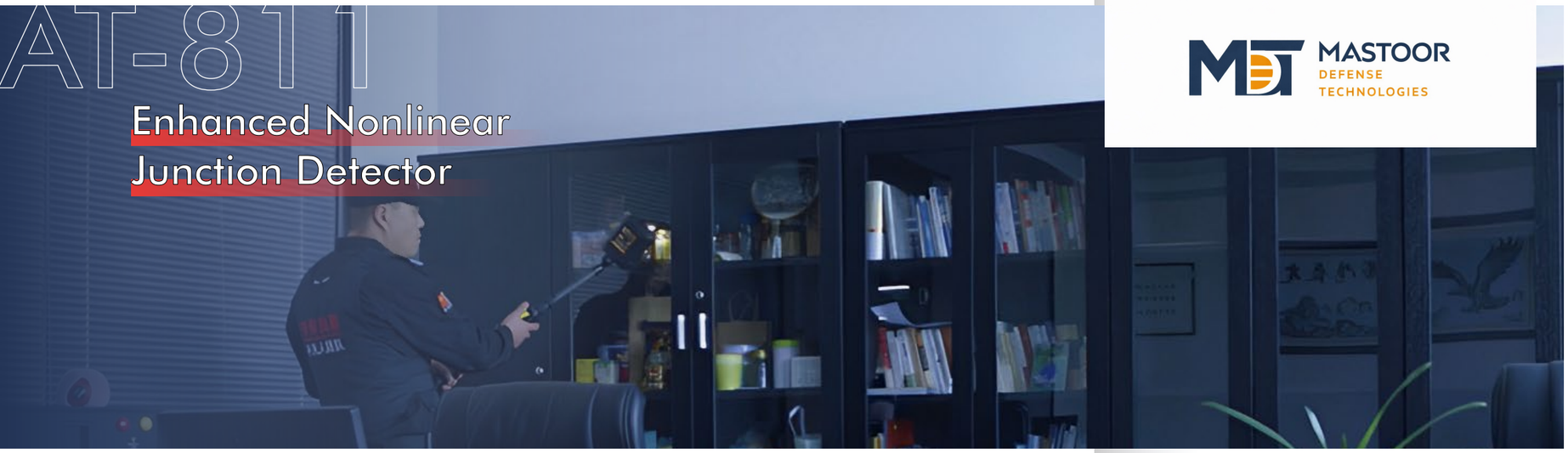
The interface is simple and intuitive, with clear function buttons, easy to operate.

Technical Specifications

Working band	2400MHz
Transmit frequency	2.4GHz~2.5GHz
Receive harmonics	4.8GHz~5.0GHz / 7.2GHz~7.5GHz (2nd~3rd harmonics)
Transmit power	0~4W (EIRP), in maximum pulse mode
Detection distance	≥ 6m, compliant with the C-level product standard specified in GA1236-2015
Penetrability	Can penetrate 370mm thick brick walls, compliant with the C-level product standard specified in GA1236-2015
Alarm method	Interface displays the type discrimination of the tested object; Audio alerts, available through headphones or external speakers; Vibration alerts
Battery	Replaceable lithium battery, single battery operating time 4h
Charging	2.5 hours per battery (fast charging)
Size (device)	780mm * 177mm * 112mm
Size (package)	740mm * 450mm * 240mm
Weight	＜1.8kg
Protection level	IP54
Working temperature	-30℃ ~ +55℃

AT-811

Enhanced Nonlinear Junction Detector



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

The equipment integrates a wireless signal detection unit based on a nonlinear junction detection unit, which can detect electronic devices hidden in packages, walls, floors, ceilings, lamps, furniture or containers, regardless of whether they are turned on or in working condition; Based on the principle of differential detection, suspicious devices can be accurately located, reducing review costs and improving work response speed.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for nonlinear junction detectors.

High Sensitivity

Built in high gain antenna, with a receiving sensitivity as low as -140dBm, can quickly identify equipment containing semiconductor devices hidden in walls or furniture.

Precise Positioning

Based on the principle of differential detection, accurately locate suspicious devices.

Long Battery Life

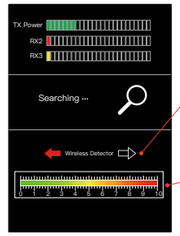
A single battery supports operating for over 4 hours, which can meet the requirements of a single inspection task.

Strong Detection Penetrability

Capable of detecting through a 370mm-thick brick wall and meeting industry standards as a C-level product (highest level).

High Cost-effectiveness

Composite detection equipment reduces secondary review costs, significantly improves detection efficiency, and saves expenses.



Signal source positioning

If the signal transmission source is on the left side of the detection head, the positioning indicator light on the left side of the interface will light up;

If the signal transmission source is on the right side of the detection head, the positioning indicator light on the right side of the interface will light up.

Wireless signal strength

The closer the distance to the signal transmission source, the stronger the strength.

Technical Specifications

Transmit frequency	2.4GHz~2.5GHz
Receive harmonics	4.8GHz~5.0GHz / 7.2GHz~7.5GHz (2nd~3rd harmonics)
Transmit power	0~4W (EIRP), in maximum pulse mode
Detection distance	≥ 6m, compliant with the C-level product standard specified in GA1236-2015
Receive sensitivity	≤ -140dBm
Supported detection signal types	GSM / WCDMA / CDMA2000 / TD-SCDMALTE / LTE-A / 5G / BT / WiFi
Supported frequency range	50MHz~6000MHz
Receive signal sensitivity	-50dBm
Direction positioning for wireless signals	Can identify and indicate the origin and location of wireless signals emitted by suspicious devices
Strength detection for wireless signals	Can detect the strength of wireless signals emitted by suspicious devices and issue sound and light alarms
Battery	Replaceable lithium battery, single battery operate time > 4h (in maximum pulse mode)
Size	750mm * 114mm * 108mm
Weight	< 1.6kg
Working environment	-10℃ ~ +55℃; no more than 93%RH, with no condensate

AT-823

Nonlinear Junction Detector



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

The AT-823 is a domestically produced high-sensitivity detection device capable of quickly and accurately locating concealed ultra-miniature electronic devices such as eavesdropping and covert recording equipment, even when powered off. It features strong anti-interference capabilities for stable performance in complex environments, is easy to operate, safe, and reliable. The device is widely applicable for screening electronic explosives in public areas, inspecting for clandestine recording devices in secure facilities and important meeting venues, detecting contraband in prisons, and more, providing robust support for public and information security.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for nonlinear junction detectors.

Strong Penetration Capability

Capable of detecting through 370mm thick brick walls, meeting industry standards as a C-level product (highest level).

High Receive Sensitivity

Built-in high-gain antenna offers receive sensitivity as low as -140dBm, enabling precise capture of weak signals.

Long Battery Life

Single battery operation exceeds 6 hours, sufficient for typical inspection tasks.

Long Detection Range

Offers a maximum detection range of no less than 6 meters, meeting industry standards as a C-level product (highest level).

Technical Specifications

Operating band	3600MHz
Frequency range	3.55GHz – 3.65GHz
Receive harmonics	7.1GHz – 7.3GHz, 10.65GHz – 10.95GHz (2nd – 3rd harmonic)
Transmit power	0 – 5W adjustable (EIRP)
Detection range	>6m (Complies with GA1236-2015 Standard, Grade C product)
Penetration capability	Penetrates 370mm brick wall (Complies with GA1236-2015 Standard, Grade C product)
Receive sensitivity	≤ -140dBm
Receive dynamic range	60dB
User interface	LED indicator for signal strength; Audio prompt (with headphone); Vibration alert
Battery type	Replaceable Lithium Battery
Operation time (single battery)	≥ 6 hours (Max power in pulse mode)
Charging time	Fast Charge: 2.5 hours / battery
Operating temperature	-20℃ – +55℃

AT-805

Electronically Scanned Nonlinear Junction Detector



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

The AT-805 is an electronically scanned non-linear junction detector based on phased array harmonic radar technology. It innovatively performs area scanning and, combined with a vision system, quickly and intuitively locates concealed electronic devices in an environment - regardless of whether they are powered on or operational. It is widely applicable for security inspections in government confidential units, safeguarding important meetings, confidentiality checks in commercial organizations, and counter-terrorism search and explosive disposal operations.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for nonlinear junction detectors.

Innovative Technology Integration

Utilizes phased array harmonic radar technology, filling a gap in the global non-linear detection field.

High-Efficiency Inspection

Area scanning mode increases inspection efficiency by more than 10 times compared to traditional non-linear detectors.

Multi-Target Detection

Supports rapid multi-angle scanning, enabling simultaneous detection of multiple targets, significantly reducing inspection time.

Visual Positioning

Seamless integration of phased array technology and a vision system allows for real-time, intuitive display of suspicious target locations.

Real-Time Evidence Collection

Features one-click screenshot capability to save key detection images, which can be exported via USB drive for subsequent recording and analysis.

Technical Specifications

Operating band	2400MHz
Frequency range	2.4GHz ~ 2.5GHz
Receive harmonics	4.8GHz ~ 5.0GHz, 7.2GHz ~ 7.5GHz (2nd ~ 3rd harmonic)
Transmit power	0 ~ 20W (EIRP) (Max power in pulse mode)
Receive sensitivity	≤ -130dBm (Adjustable)
Detection angle	Horizontal: ±30°, Vertical: ±30°
Detection range	2m
Max. scan area (single)	4m² (2m*2m)
Penetration capability	Capable of penetrating 550mm clay brick wall (Complies with GA1236-2015 Standard, Grade C product)
Operating voltage	10.8V
Screen size	11.6 inch
Camera	2 Megapixel Fixed Focus Camera
Battery type	Replaceable lithium battery
Single battery working hours	> 2 hours (In maximum pulse mode)
Weight	3.4kg
Dimensions	415mm * 286mm * 62mm
Working temperature	-20℃ – +55℃

AT-808

Electronic Listening Device



MASTOOR DEFENSE TECHNOLOGIES



Nonlinear Junction Detection

Product Introduction

A professional listening device based on RF technology that can detect timed detonation devices under various packaging covers, including electronic ones made of electronic watch, pagers and various remote control devices and mechanical ones, efficiently assisting in explosive search and disposal work. The device has a compact structure, is easy to carry, and is suitable for various complex search and explosion environment; At the same time, it can be used as an anti-reconnaissance device to detect electronic eavesdropping and photo stealing devices.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, meeting IP65 protection level requirements.

Strong Detection Performance

Adopting RF listening detection technology, has a long detection distance, strong penetration ability, and high positioning accuracy.

Low Noise

Supports wired listening, equipped with non-destructive sound detection and noise cancellation technology, realistically restoring sound details.

Easy to Use

Ready to use upon startup, with simple buttons and visualized sound waveforms, making it easy to get started and use quickly.

Long Battery Life

Low power consumption, supports 10 hours of long-term operation.

Technical Specifications

Working voltage	3.7V
Antenna polarization	Circular polarized
Detection distance	≥ 3.5m, mechanical watches ≥ 0.8m, mechanical alarm clocks, electronics timing devices, and digital timers
Penetrability	Can penetrate 100mm-thick polyethylene foam + 200mm-thick A4 printing paper (70g), mechanical watches, mechanical alarm clocks, electronics timing devices, and digital timers
Display	LCD screen
Battery	Lithium battery, ≥ 10h (at maximum power consumption)
Noise cancelling headphones	Noise reduction capability ≥ -20dB
Size (host)	209mm * 136mm * 154mm
Size (package)	410mm * 258mm * 260mm

AT-817

Walk-through Cell Phones Detector



MASTOOR DEFENSE TECHNOLOGIES



Emergency Safety Inspection

Product Introduction

A professional walk-through cell phones detector, equipped with independently developed cell phones detection technology, can distinguish and identify cell phones, contraband, and household metal objects. The equipment is mainly used at entrances and exits of confidential units and places, scientific research centers, high-end electronic manufacturing factories, examination rooms, etc. Different detection modes can be set according to the needs of different places, effectively preventing the entry and exit of prohibited cell phones and target objects that require control.

Authoritative Certification

Tested and certified by Chinese authoritative institutions, in compliance with industry standards for walk-through metal detectors.

99% Cell Phone Detection Rate

Accurately identify and alert various types of Cell phones and electronic products, regardless of their form, moving posture, and working status.

Low False Alarm Rate of Household Metal

Accurately identify common household metal items, with low false alarm rate, without affecting the management of entrances and exits.

Adjustable Detection Sensitivity

Adopting multi frequency high bandwidth detection technology, the detection sensitivity can be adjusted to 100 levels, which can meet the detection requirements of different places.

Intuitive Detection Result

Equipped with a 25-inch ultra clear screen, real-time update and display the detection data such as the location and type of suspicious items.

Convenient Maintenance

Modular component design for easy transportation and maintenance; Remote control, software maintenance, and upgrades can be performed through Meeting Guard management platform.

Tested rigorously in 12 locations and 3 different postures

Real

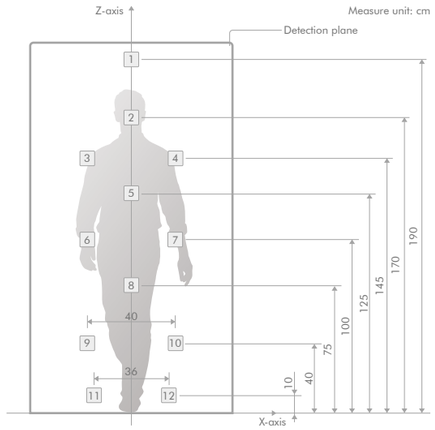
Detection rate

≥99%

Horizontal

Vertical

Longitudinal



Technical Specifications

LCD display	25-inch TFT touch screen
Camera pixel	2MP (MegaPixel)
Detection rate	≥ 99%
SD card	64GB (customizable, supporting up to 128GB)
Power supply	Supports AC and external UPS power supply AC110-242V; 45Hz-66Hz
Gate thickness	About 120mm
Overall size	About 2320mm * 950mm * 800mm
Channel size	About 1980mm * 710mm * 800mm
Weight	< 130kg
Working environment	-20℃~+55℃, 95%RH

AT-502

Portable SDR Frequency Jammer



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

A portable frequency jammer based on SDR architecture, with full-band coverage of 8MHz~6500MHz. It can effectively jam against wireless signals and communication devices within a certain range, including remote control devices (UAVs/unmanned vehicles), walkie-talkies, 2G/3G/4G/5G cell phones, analog and digital cordless phones, Bluetooth, WiFi, etc. The built-in battery supports continuous operation for up to 70 minutes. The product is widely used in scenarios that require wireless signal control, such as EOD, antiterrorist, technical reconnaissance.

Integrated Design

The antenna is integrated with the host and can be carries by a single person with one hand, achieving second level deployment; Easy to operate and power to use.

Adaptive Jamming

Jamming codes can be dynamically adjusted for target signals of different frequencies and powers to achieving optimal jamming effects.

Efficient Jamming with SDR

Supports software upgrade of jamming bands to ensure that devices can effectively jam against new communication standards and frequencies; Targeted and efficient jamming, significantly reducing power consumption, enhancing jamming distance and effectiveness.

Omni-directional Jamming

Adopting omni-directional high gain antennas, it can jam against target signals in all directions within a 360° range, with a wide coverage area.

Full-band Jamming

Covering 8MHz~6500MHz, it effectively jams against low-frequency signals of point-to-point remote control and high-frequency signals of 5G cell phones.

Dividing Bands Control

Each band and channel can be independently controlled, supporting selective jamming in specific bands/channels while retaining other critical communications.

Technical Specifications

Jamming mechanism	SDR (Software Defined Radio) technology
Jamming frequency range	8MHz~6500MHz
Jamming distance	≥ 40m, wireless mobile communication, background signal strength RSRP is -90dBm ≥ 500m, UAV remote control and navigation jamming ≥ 40m, walkie-talkies with transmission power of 3W ≥ 40m, unmanned vehicles remote control jamming
Output power	≤320W
Antenna type	Broadband omni-directional antenna
Antenna module	Integrated
Power supply	AC220V / Built-in battery
Power consumption	＜1250W
Protection level	IP54
Size	(570mm * 343mm * 678mm) ± 20mm
Weight	＜48kg
Working temperature	-20℃~+45℃

AT-505

Vehicle-mounted SDR Frequency Jammer



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

Based on SDR architecture, the jammer can achieve full-band signal jamming from 20MHz to 6000MHz, supporting dynamic adjustment of jamming parameters. Adopting modular design, which is easy to install and debug, with high vehicle compatibility. Standard roof-box shape, no leakage rod antenna, strong concealment, it is difficult to be identify as a jamming vehicle during the task. The jammer is suitable for VIP fleet guarantee, security guarantee for major events, and maintaining stability at the scene of emergencies.

Concealed Appearance

Integrated design with standard roof-box shape, no leakage rod antennas, combining aesthetics and performance; It is difficult to identify as a jamming vehicle during the task.

No Modification

The host is only connected to the interior of the vehicle by a flat cable, without damaging the body structure and no need for modification registration, suitable for various brands of SUVs.

Efficient Jamming with SDR

Based on SDR architecture and directional antennas, targeted and efficient jamming is carried out on target signals to achieve longer jamming distance with lower power consumption.

Low Power Consumption

The on-board battery can provide power to the equipment without the need to install a power take-off generator.

Easy to Operate

Only one Pad is needed for device switch control, system parameter setting, and maintenance management, without additional control switches.

Investment Protection

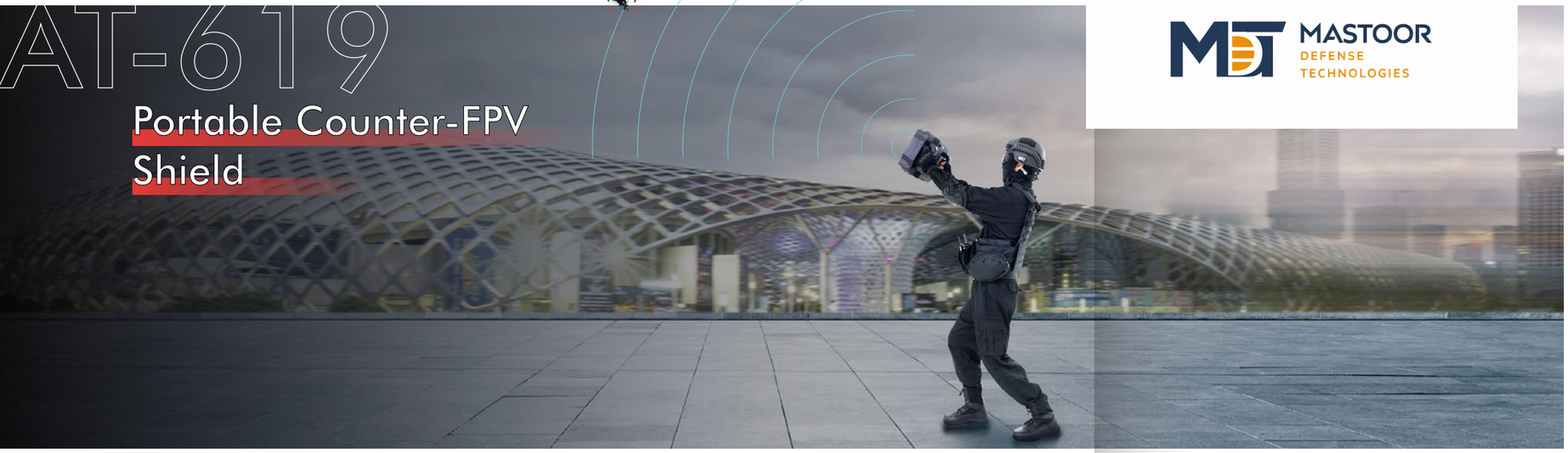
Based on SDR architecture, algorithm upgrades can be done through software, without hardware replacement.

Technical Specifications

Jamming mechanism	SDR (Software Defined Radio) technology
Jamming frequency range	20MHz~6000MHz
Jamming distance	≥ 70m, wireless mobile communication, background signal strength RSRP is -90dBm ≥ 500m, UAV remote control and navigation jamming ≥ 60m, walkie-talkies with transmission power of 3W ≥ 100m, unmanned vehicles remote control jamming
Output power	＜320W
Antenna type	Directional antennas
Power supply	Car battery
Power consumption	＜1300W
Protection level	IP54
Working temperature	-20℃~+55℃

AT-619

Portable Counter-FPV Shield



MASTOOR DEFENSE TECHNOLOGIES



Product Introduction

This SDR-based jammer features configurable frequency modes to effectively block drone data/video transmission, remote control, and navigation signals, with exceptional performance against FPV drones. Its rugged IP54-rated housing offers heat/corrosion resistance in compact, discreet design, enabling rapid deployment for squad defense, counter-terrorism, event security, and military base protection without causing public alarm.

Efficient Jamming FPVs

Employs digitally modulated jamming codes to effectively block FPV control signals.

Compact & Covert

Compact and portable with shield-profile design for high concealment without causing panic or public disturbance.

Flexible Setup

Dual-mode frequency configuration (FPV-only / FPV + conventional drones) for mission-precise operation.

Persistent Effectiveness

Leveraging SDR architecture for algorithm upgrades to maintain effectiveness against evolving drone threats.

Technical Specifications

Model	AT-619A	AT-619B
Jamming mechanism	SDR (Software Defined Radio) technology	
Jamming bands	800MHz~900MHz 2.4GHz / 5.3GHz~5.9GHz	800MHz~900MHz / 1.2GHz 1.4GHz / 1.5GHz / 2.4GHz 5.2GHz / 5.8GHz
Jamming angle	Directional jamming, 60° horizontal, 30° elevation	
Jamming distance*	≥ 1km (j/c ratio = 1:1), DIY FPV (ELRS/TBS Crossfire protocol)	≥ 1km (j/c ratio = 1:1), DIY FPV (ELRS/TBS Crossfire protocol) ≥ 1km (j/c ratio = 2:1), DJI Mini4 Pro / Mavic 3
Total transmission power	<90W	<140W
Size	380mm*270mm*155mm	
Weight	4.5kg±0.1kg (host with battery pack)	5.6kg±0.1kg (host with battery pack)
Power supply/charging	Lithium battery pack; Supports battery pack replacement, and whole machine charging	
Operating time*	≥ 30min (full power transmission) ≥ 3h (standby mode)	≥ 15min (full power transmission) ≥ 3h (standby mode)
Power consumption	< 250W (full power transmission) < 15W (standby mode)"	< 340W (full power transmission) < 35W (standby mode)"
Protection level	IP54	
Working temperature	-30 C～+45 C	
Working humidity	No more than 93%RH, with no condensate	

*Jamming distance may vary depending on deployment environment and test drone.
*Endurance data is from laboratory tests; actual performance may vary with environment and conditions.