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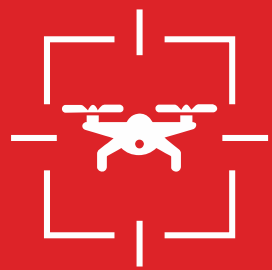


OCT. 2025



LOW-ALTITUDE DEFENSE PRODUCT MANUAL



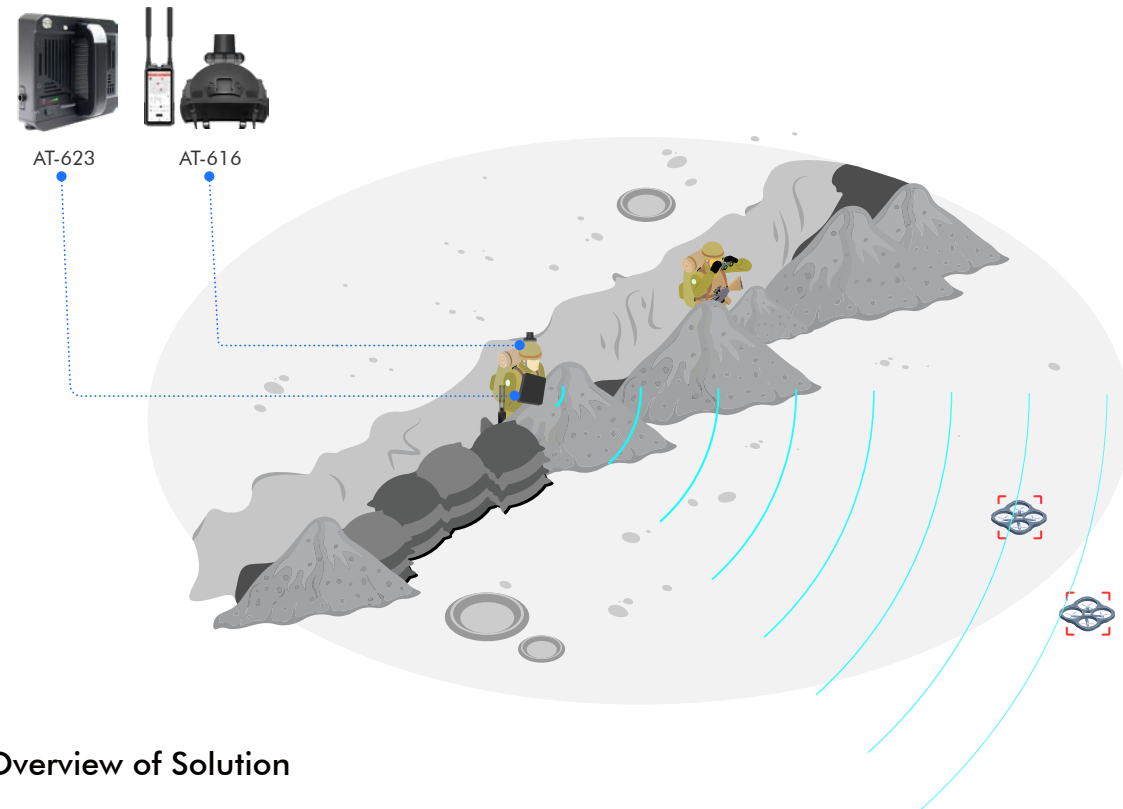


PIONEER OF
SDR COUNTER-UAV
TECHNOLOGY

PRODUCTS



UAV Defense Solution for Single Soldiers



Overview of Solution

FPV drones have become a new type of attack weapon on the battlefield, posing a significant threat to soldiers. Due to their low cost, high speed, and difficulty in countering, they are one of the most challenging weapons to defend against in modern warfare.

This solution consists of the **AT-616 Handheld UAV Detector** and the **AT-623 FPV Killer Shield**, designed to provide close-range security for individual soldiers. The AT-616 enables 360° omnidirectional detection, identification, and direction-finding for both conventional drones and FPV drones. Meanwhile, the AT-623 can emit jamming signals to swiftly disrupt the remote control link of FPV drones, causing them to lose control and crash. The two devices work in efficient synergy, offering lightweight, easy-to-operate, and high-performance countermeasures to effectively protect soldiers' lives.



Integrated Point-Area Coordination

Omnidirectional detection and directional jamming work in seamless synergy, creating a highly effective UAV countermeasure tactic.



Portable for Single Soldiers

Rapidly deployable without compromising mobility, featuring simple operation and adaptability to diverse combat scenarios.



Worry-Free Battery Endurance

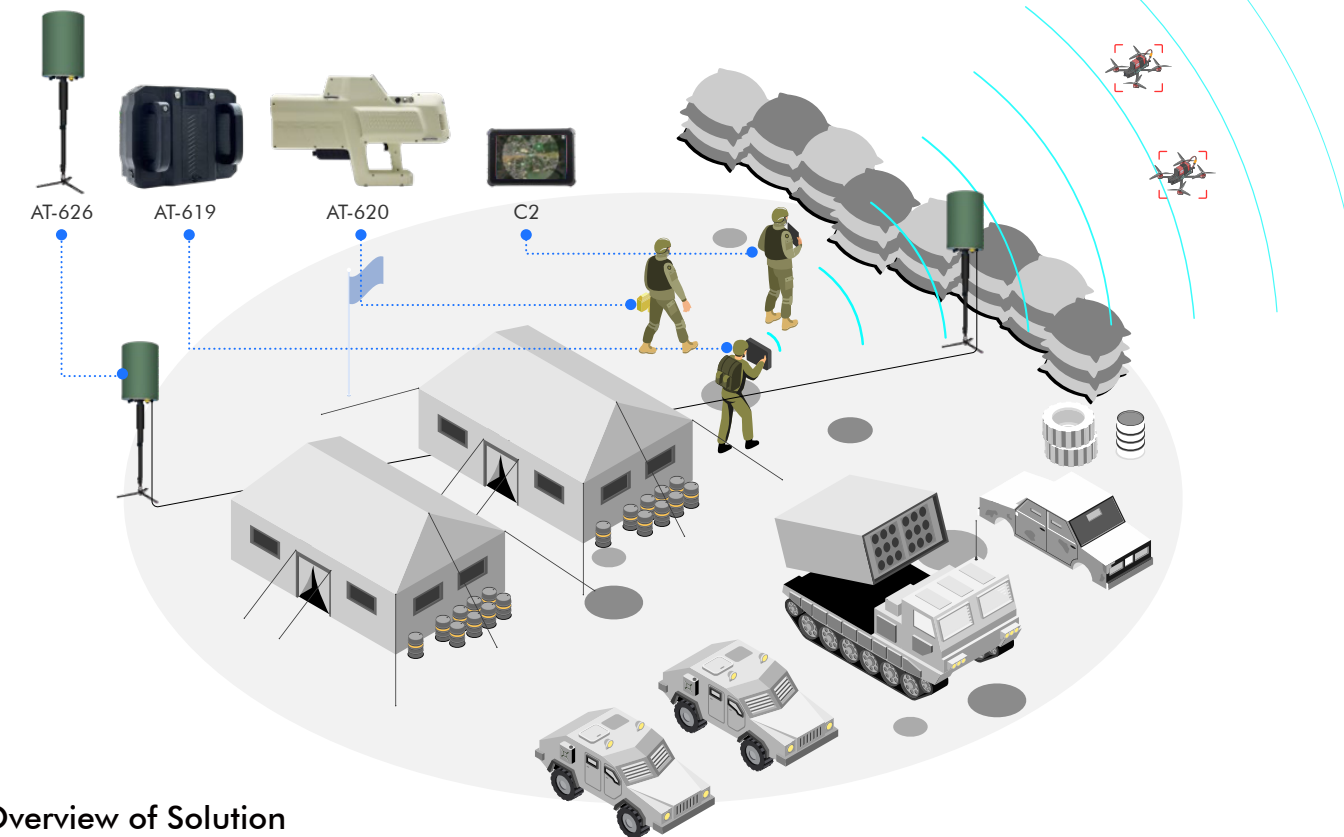
Featuring quick battery swaps to sustain prolonged operations and ensure continuous battlefield protection.



High Cost-Effectiveness

This standard individual soldier UAV defense kit delivers exceptional cost-effectiveness, making it ideal for bulk deployment across military units.

UAV Defense Solution for Squads



Overview of Solution

Drone attacks have become a hallmark asymmetric warfare tactic, posing severe threats to frontline squads through reconnaissance, target designation, and kamikaze strike capabilities.

This solution, centered on the **AT-626 UAV Detection and Warning Equipment** and **AT-619 Portable Counter-FPV Shield**, establishes a comprehensive low-altitude defense system for combat squads. The single AT-626 provides 360° UAV threat detection, while dual-unit deployment enables target positioning. The AT-619 effectively blocks data/video transmission, remote control, and navigation signals, neutralizing both conventional and FPV drones. Operating in tight coordination, these systems form a complete "detection-to-jamming" defense chain, delivering reliable and efficient low-altitude protection for frontline units.

For enhanced operational flexibility, the **AT-620 Portable Detection-and-Jamming C-UAV Equipment** can be optionally deployed. This all-in-one solution integrates detection and countermeasure capabilities with superior portability and faster response times, making it ideal for patrol and mobile combat operations.



Integrated Point-Area Coordination

Detection, early warning and countermeasures operate in seamless synergy to form a comprehensive low-altitude defense system.



Flexible Networking

The system supports both single-unit early warning and dual-unit positioning, allowing flexible configuration based on battlefield requirements.



All-Model Countermeasures

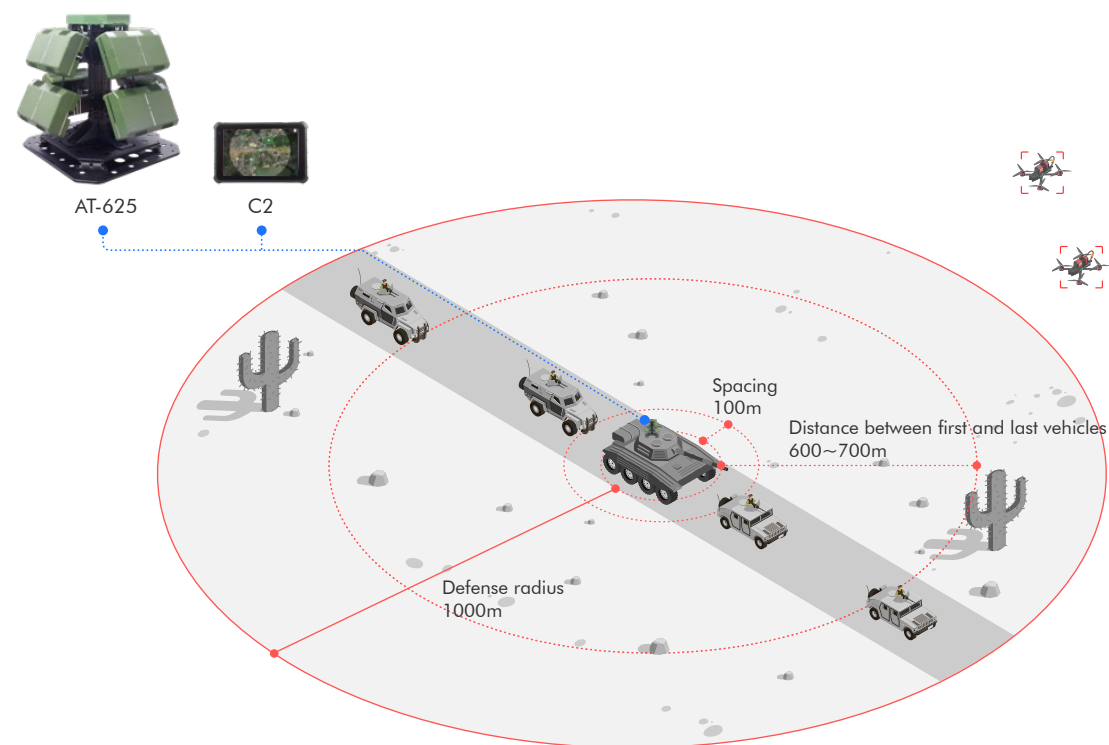
The system covers common UAV frequency bands worldwide, supports customizable band configuration, and meets diverse defense requirements.



Rapid Deployment Capability

Compact and portable for individual soldiers, the system features quick assembly-/disassembly with minimal setup requirements to meet squad rapid maneuver combat needs.

UAV Defense Solution for Vehicles



Overview of Solution

FPV drones and armed UAV strikes against high-value armored assets and time-sensitive targets have become a hallmark of modern warfare. Effectively protecting critical armor while preventing combat capability degradation now poses a major tactical challenge for military forces.

This integrated solution combines the **AT-625 Vehicle-mounted Four-sided Formation Counter-UAV Equipment** with **C2 system**, deploying on tactical vehicles to provide comprehensive protection for armored assets. Capable of operating as standalone units or in multi-vehicle networked formations, it establishes dynamic defense circles while on the move, effectively neutralizing both FPV drones and conventional UAVs to deliver continuous fleet protection for armored units and maintain operational readiness.



Dynamic Defense

Establishes dynamic defense perimeter to provide continuous protection for maneuvering armored assets against FPV drone threats.



Flexible Configuration

Supports single-vehicle/fleet protection with selectable FPV-only / FPV + conventional drones configurations.



Sustained Effectiveness

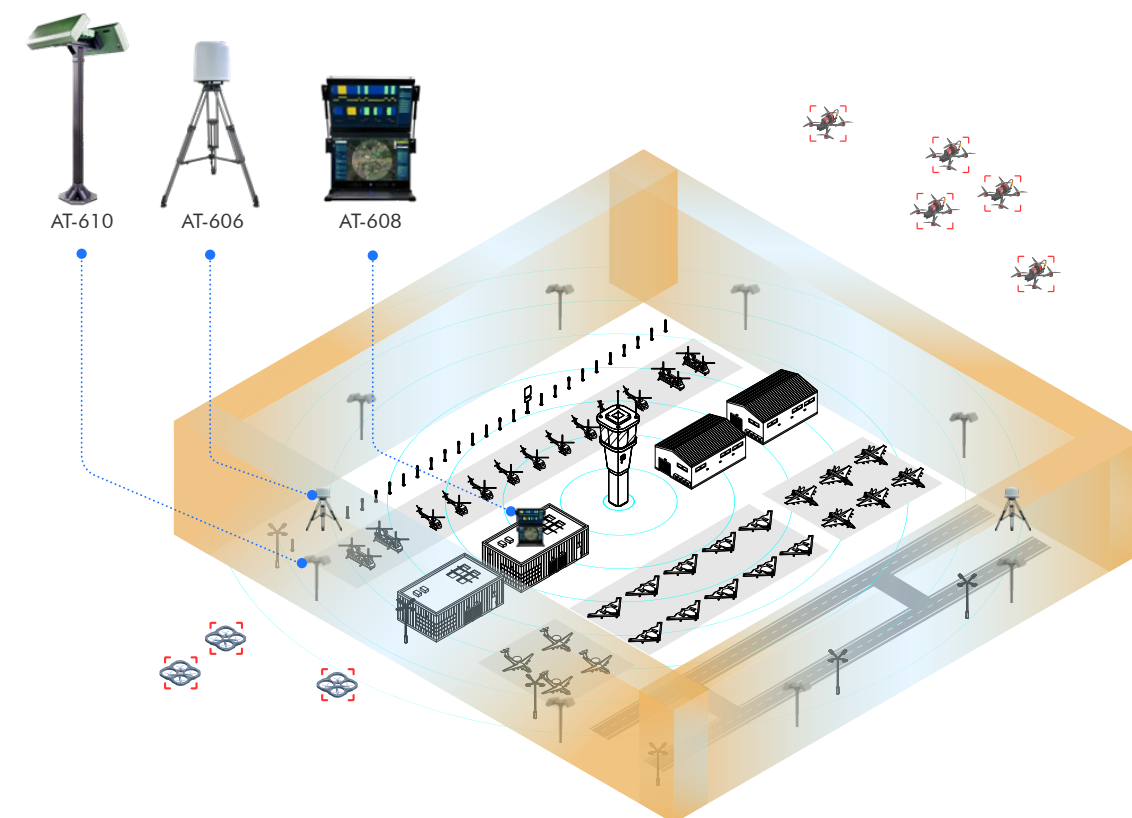
Leveraging SDR architecture for algorithm upgrades to maintain effectiveness against evolving drone threats.



Superior Adaptability

Military-grade construction with waterproof/dustproof, heat/corrosion/shock resistance for all combat scenarios.

UAV Defense Solution for Critical Areas



Overview of Solution

The proliferation of drone misuse, particularly FPV drones, has led to multiple security breaches including unauthorized incursions and covert surveillance in sensitive areas of fixed camps.

This solution focuses on securing fixed camps perimeters by integrating the **AT-606 Fixed UAV Detection Equipment**, **AT-610 EWALL Counter-UAV Equipment**, and **AT-608 Counter-UAV Control Platform** to establish an intelligent low-altitude defense network. The AT-606 provides real-time airspace monitoring with precise UAV identification/tracking capabilities. Multiple AT610 units create concentric electronic shielding barriers that disrupt and prevent drone penetration, particularly effective against swarm attacks. The AT-608 operates fully autonomously, enabling 24/7 detection and jamming of FPV and other UAV threats to ensure comprehensive low-altitude security for fixed camps.



Civilian-Friendly Operation

The system achieves high-efficiency interception of FPV and unauthorized drones without causing interference to civilian communications in surrounding areas.



Flexible Deployment

The system enables flexible adjustment of AT-610 deployment locations and quantities based on terrain and other factors to meet varying defense requirements.



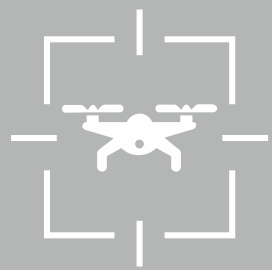
Swarm Defense

The system provides comprehensive protection against both FPV and conventional drone swarm attacks, ensuring complete low-altitude security for military installations.



Unmanned Operation

The system supports fully autonomous 24/7 operation without human intervention, significantly reducing manpower requirements.



PIONEER OF
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PRODUCTS



AT-616 Handheld UAV Detector



INTRODUCTION

Designed for individual combat operations, the detector utilizes passive detection technology to provide 360° real-time monitoring, identification, and alerting for both DIY FPV drones and conventional UAVs. Equipped with high-precision phase-comparison direction finding, a single set can determine drone bearings. Its modular design consists of a handheld detection unit with 6.5-inch touchscreen (displaying target details, operator location, offline maps, and trajectory replay) and a helmet-mounted direction-finding module, ensuring optimal battlefield adaptability. Ideal for military operations, border patrols, and critical site protection.

SPECIFICATIONS

Detection Unit	Detection band	300MHz~6000MHz		
	Detection models	DIY FPV drones (ELRS/TBS Crossfire and other protocols) / Conventional drones (DJI / Autel, etc.) / WiFi-based drones, etc.		
	Detection data	For DJI O3 & RID-compliant drones: Model, serial number, frequency, signal strength, GPS coordinates, distance, direction, speed, altitude, operator location, etc. For Autel/DIY FPV/WiFi drones: Drone type, frequency, signal strength, direction, etc.		
	Detection range*	≥ 3km (open environment), ≥ 1km (urban environment)		
Direction-finding Unit	Direction-finding frequency band	2.4GHz / 5.1~6.0GHz		
	Direction-finding direction	360° omnidirectional		
	Multi-target detection	≥ 10 drones (priority-sorted by signal strength)		
	Direction-finding accuracy	< 10°		
Whole Machine	Display (Optional)	6.5-inch touch LCD screen		
	API integration	Support		
	External interfaces	USB-C	ETH / RS232	WiFi / BT
	Power supply	Replaceable lithium battery, supports changing and using at the same time		
	Single battery life*	≥ 3h		
	Size	Handheld host: 184*91*34mm (without antennas) Direction-finding unit: 110*110*80mm		
	Weight	Handheld host: < 800g (with antennas) Direction-finding unit: 350g		
	Protection level	IP65		
	Working temperature	-20℃~+55℃		

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

AT-623 FPV Killer Shield



Individual Portable

Compact and lightweight with one-touch operation for instant single-operator defense against suicide FPV drones.



Efficient Jamming FPVs

Utilizing digitally modulated jamming codes, it effectively jams all FPV types, covering mainstream protocols like ELRS and TBS Crossfire.



Long Working Hours

Standard lithium battery powered with quick-swap capability for operational convenience.

INTRODUCTION

This SDR-based jamming equipment effectively blocks DIY FPV drone control signals, protecting soldiers from FPV attacks. Compact and lightweight for easy portability, it features one-touch operation enabling rapid single-soldier deployment against suicide FPV threats.

SPECIFICATIONS

Jamming mechanism	SDR (Software Defined Radio)
Jamming models	DIY FPV drones (Supporting ELRS/TBS Crossfire & major control protocols)
Jamming angle*	Directional jamming, horizontal 60°, tilt 30°
Jamming distance*	> 150m (open environment)
Total transmission power	< 35W
Response time	< 2s
Size	195*205*115mm (±5mm)
Weight	< 1.6kg (without batteries)
Power consumption	< 100W (full power transmission) / < 5W (standby mode)
Power supply / Charging	21700 chargeable lithium batteries powered; Support batteries replacement, and whole machine charging
Single battery life*	> 30min per time (full power transmission)
Protecion level	IP54
Working temperature	-30℃ ~ +45℃

*Jamming distance may vary depending on deployment environment and test drone.

*Jamming angle is the typical value for the test.

*Endurance data is from laboratory tests; actual performance may vary with environment and conditions.

AT-626 UAV Detection and Warning Equipment



High-Precision Positioning

AoA-based with $\pm 5^\circ$ accuracy for precise drone tracking, effective against fast-moving targets.



Easy Deployment

Compact design with PoE switch support for rapid networking, adaptable to both temporary and permanent deployments.



Cost-Effective

Precise positioning with just 2 units, offering lower deployment costs and better cost-performance than TDoA solutions.



High Reliability

IP65-rated with extreme temperature tolerance (-30°C to $+55^\circ\text{C}$) for harsh environments.

INTRODUCTION

This AoA-based system achieves 2km-radius drone detection, direction-finding, and positioning with just 2 networked units. Featuring 360° omnidirectional monitoring, it effectively warns against all drone threats including DIY FPV drones. The compact design enables flexible deployment for both temporary and permanent airspace security in tactical/base defense scenarios.

SPECIFICATIONS

Detection bands	100MHz~6000MHz
Direction-finding bands	1.2GHz / 1.4GHz / 2.4GHz / 5.8GHz
Detection models	DIY FPV drones (ELRS/TBS Crossfire and other protocols) / Conventional drones (DJI / Autel, etc.) / WiFi-based drones, etc.
Detection range*	$\geq 5\text{km}$ (open environment), $\geq 2\text{km}$ (urban environment)
Direction-finding accuracy*	$\pm 5^\circ$
Installation method	Installation of retractable bracket
Communication interface	RJ-45
Power supply	Powered by PoE / DC 12-48V
Size	$\Phi 260\text{mm} \times \text{H}360\text{mm}$
Weight	$< 4.5\text{kg}$
Protection level	IP65
Working temperature	$-30^\circ\text{C} \sim +55^\circ\text{C}$
Corollary equipment	PoE switch

*Detection distance / direction-finding accuracy may vary depending on deployment environment and test drone.



AT-619 Portable Counter-FPV Shield



SPECIFICATIONS

Model	AT-619A	AT-619B
Jamming mechanism	SDR (Software Defined Radio)	
Jamming frequency bands	800~900MHz / 2.4GHz / 5.3~5.9GHz	800~900MHz / 1.2GHz / 1.4GHz / 1.5GHz / 2.4GHz / 5.2GHz / 5.8GHz
Jamming angle*	60° horizontal, 30° elevation	
Jamming distance*	≥ 1km (i/c ratio = 1:1), DIY FPV (ELRS/TBS Crossfire protocol)	≥ 1km (i/c ratio = 1:1), DIY FPV (ELRS/TBS Crossfire protocol) ≥ 1km (i/c ratio = 2:1), DJI Mini4 Pro / Mavic 3
Total transmission power	< 90W	< 140W
Size	380*270*155mm	
Weight	4.5kg±0.1kg (host with battery pack)	5.6kg±0.1kg (host with battery pack)
Power supply/charging	Lithium battery pack powered; Support battery pack replacement, and whole machine charging	
Single battery life*	> 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℃~+45℃	
Working humidity	≤ 93% RH, no condensation water	

*Jamming distance may vary depending on deployment environment and test drone.

*Jamming angle is the typical value for the test.

*Endurance data is from laboratory tests; actual performance may vary with environment and conditions.



Compact & Covert

Compact and portable with shield-profile design for high concealment and panic-free operation.



Efficient Jamming FPVs

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



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.

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, low-profile design, enabling rapid deployment for squad defense, counter-terrorism, event security, and military base protection without causing public alarm.

AT-605 Portable Counter-UAV Equipment



INTRODUCTION

Detection and countermeasure all-in-one design, without any extra parts, flexible and convenient for individual carrying. Supports 3km omni-directional detection and 2km directional interference for all types of common UAV in surrounding airspace. Equipped with SDR technology and visual auxiliary aiming system, it can detect, locate and identify UAV at 360°, and make comprehensive suppression, force the UAV to hover, return or land according to its own safe strategy.

SPECIFICATIONS

Detection frequency band	2.4GHz, 5.8GHz, 900MHz (configurable), 1.4GHz (configurable)
Detection distance*	≥3km (open environment), 0.5km~1km (urban environment)
Direction-finding accuracy	10° (open environment)
Jamming frequency band	900MHz, 1.4GHz, 1.5GHz, 2.4GHz, 5.8GHz, 5.2GHz (configurable), 5G mobile communication frequency band (configurable)
Jamming angle*	Directional jamming, horizontal 45°, tilt 30°
Jamming distance*	> 2km, interference/communication ratio ≥ 10:1
Jamming response time	< 5s
Information display	5-inch display: self-check status, drone model, interference band, date time, battery level, interference duration, etc.
Battery type	Replaceable lithium battery
Single battery life*	≥ 60 minutes (full-frequency transmission on)
Size	700mm*322mm*100mm
Weight	≤ 4.5kg
Protection level	IP54
Working temperature	-30℃ ~ +45℃

*Detection / jamming range parameters are based on DJI Mavic 2; data may vary depending on deployment environment and test drone.
*Jamming angle is the typical value for the test.
*Endurance data is from laboratory tests; actual performance may vary with environment and conditions.



AT-620 Portable Detection-and-Jamming Counter-UAV Equipment



INTRODUCTION

Compact handheld design with no external attachments for easy single-soldier carry. This detect-jam equipment offers 3km omnidirectional detection and 2km directional jamming, effectively countering DIY FPV and conventional drones. Its 360° detection/direction-finding/tracking is paired with SDR jamming technology and assisted targeting for precision strikes - forcing drones to crash, hover, land, or return.

SPECIFICATIONS

Detection Unit	Detection bands	100MHz~6000MHz
	Detection models	DIY FPV drones (ELRS/TBS Crossfire and other protocols), conventional drones (DJI / Autel / Parrot, etc.), WiFi-based drones, etc.
	Detection direction	360° omnidirectional
	Detection distance*	≥ 3km (open environment), 0.5~1km (urban environment)
	Direction-finding accuracy	10° (open environment)
Jamming Unit	Jamming bands	400MHz / 800~900MHz / 1.2GHz / 1.4GHz / 1.5GHz / 2.4GHz / 5.2GHz / 5.8GHz / 700MHz~3GHz Software-defined jamming channel
	Jamming angle*	Directional jamming, horizontal 45°, tilt 30°
	Jamming distance*	≥ 2km (j/c ratio = 2:1), DJI Mini4 Pro / Mavic 3 ≥ 1km (j/c ratio = 1:1), DIY FPV (ELRS/TBS Crossfire protocol)
	Response time	< 5s
Whole Machine	Information display	5-inch display: self-check status, drone models, jamming bands, date time, battery level, jamming duration, operation logs, etc.
	Battery type	Replaceable lithuim battery
	Single battery life*	≥ 15min (full power transmission)
	Size	653*407*187mm ±5mm
	Weight	< 7kg
	Protection level	IP54
	Working temperature	-30℃ ~ +55℃

*Detection / jamming range parameters are based on DJI Mavic 2; data may vary depending on deployment environment and test drone.

*Jamming angle is the typical value for the test.

*Endurance data is from laboratory tests; actual performance may vary with environment and conditions.

AT-625 Vehicle-mounted Four-sided Formation Counter-UAV Equipment





Efficient Jamming FPVs

Utilizing digitally modulated jamming codes, it effectively jams all FPV types, covering mainstream protocols like ELRS and TBS Crossfire.



Multi-Model Jamming

Covers data/video transmission, control, and navigation bands of global consumer drones for effective multi-drone jamming.



Flexible Configuration

Supports single-vehicle/fleet protection with selectable FPV-only / FPV + conventional drones configurations.



Reliable & Durable

Military-grade construction with waterproof/dustproof, heat/corrosion/shock resistance for all combat scenarios.

INTRODUCTION

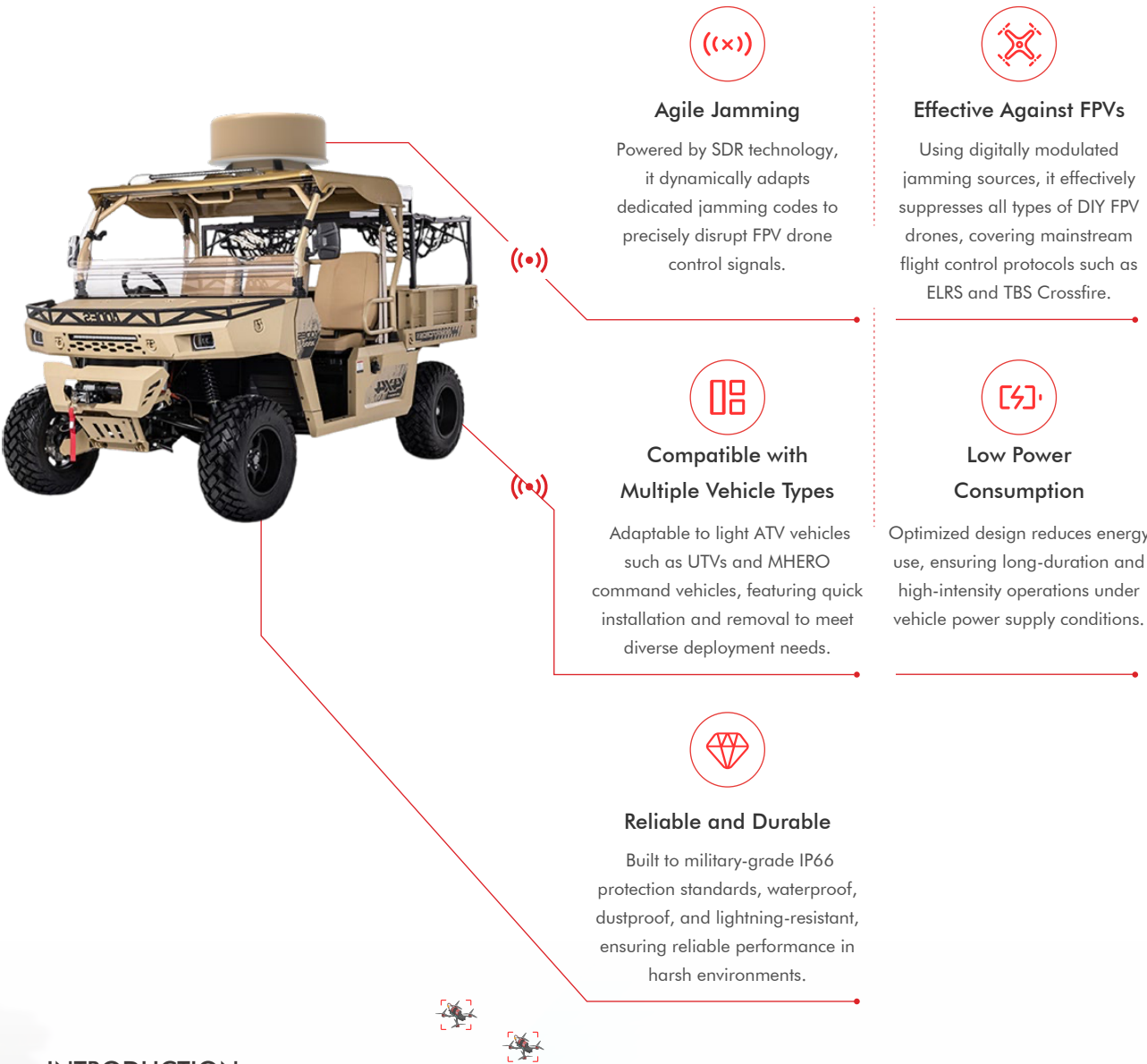
A vehicle-mounted four-sided formation counter-drone equipment leveraging SDR technology with multi-band jamming capabilities to effectively block control, video transmission, and navigation signals from both DIY FPV and conventional drones, creating a protective shield for critical armored assets. Its modular design integrates counter-FPV units, counter-UAV units and a control unit with one-touch operation, meeting military-grade requirements for defending armored vehicles against FPV threats in diverse combat scenarios.

SPECIFICATIONS

Jamming mechanism	SDR (Software Defined Radio)
Jamming bands (Counter-FPV units)	400MHz / 800MHz / 900MHz / 2.4GHz / 5.8GHz
Jamming bands (Counter-UAV units)	1.2GHz / 1.5GHz / 2.4GHz / 5.2GHz / 5.8GHz
Jamming signal type	UAV data/video transmission signal / UAV remote control signal / UAV navigation signal
Jamming angle	Single unit: Horizontal > 90°, tilt > 45° Four-sided formation to realize 360° coverage
Jamming distance*	> 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	≤ 120W per unit (configurable)
Size	917*917*867mm (including shockproof base)
Weight	106kg (including shockproof base)
Power supply	DC 24V / AC 220V to 24V
Protection level	IP66
Working environment	-40℃~+55℃ / ≤ 93% RH, no condensation water

*Jamming distance may vary depending on deployment environment and test drone.

AT-629 Vehicle-Mounted Counter-FPV Equipment



INTRODUCTION

A high-mobility low-altitude protection system specially designed for light ATV vehicles, addressing the core issues of traditional countermeasure equipment such as high power consumption and inconvenient deployment. It adopts SDR-based Agile Jamming technology to build a complete “omnidirectional detection + precise countermeasure” protection loop, achieving full-band, zero-blind-spot coverage. It can capture target signals from a long distance in advance and efficiently intercept all DIY FPV drones within range. It operates stably in complex battlefield environments such as mountains and deserts, compatible with light ATV vehicles like UTVs and Dongfeng Mengshi command vehicles, providing low-altitude security for military patrols, border defense, and urban security scenarios.

SPECIFICATIONS

Detection Unit	Detection frequency band	300 MHz ~ 1200 MHz
	Detection information	FPV drone presence
	Detection direction	360° omnidirectional
	Detection range*	1 km
Jamming Unit	Jamming mechanism	SDR (Software Defined Radio) technology
	Jamming frequency band	300 MHz ~ 1200 MHz
	Jamming angle	360° omnidirectional
	Jamming range*	150 m (j/c ratio = 1:4)
General Parameters	Alarm method	Audible and visual alarm
	Output power	120 W
	Power consumption	450 W
	Power supply	On-board power supply, voltage 220V
	Protection level	IP66
	Size (device)	Φ832 mm × H493 mm
	Weight (device)	29 kg
About the Vehicle	Working temperature	−40 °C ~ +55 °C
	Engine type	V-twin with turbo water-cooled diesel engine
	Displacement	999 cc
	Max power	42 kw / 3600 RPM
	Max torque	150 N.m / 3000 RPM
	Load capacity	700 kg

*Detection / jamming distance may vary depending on deployment environment and test drone.



AT-690 Vehicle-mounted Integrated Counter-UAV System



INTRODUCTION

The vehicle-mounted integrated counter-UAV system combines detection, identification, jamming, and spoofing in one compact unit. Easily deployable on any vehicle without modifications, it provides omnidirectional drone countermeasures with rapid mobility for on-the-move defense. Featuring SDR-based low-power/high-efficiency jamming and upgradable algorithms, it ensures long-term operational value.

SPECIFICATIONS

Detection Unit	Operation method	Radio spectrum sensing detection
	Detection bands	800MHz / 900MHz / 2.4GHz / 5.8GHz
	Detection direction	360° omnidirectional
	Detection distance*	≥ 5km (open environment), 3km (urban environment)
	Direction-finding accuracy	3RMS°
	Response time	≤ 3s
Jamming Unit	Alarm methods	LED display / Audible alarm
	Operation method	Radio jamming
	Jamming mechanism	SDR (Software Defined Radio)
	Jamming bands	400MHz / 900MHz / 1.5GHz / 2.4GHz / 5.2GHz / 5.8GHz / 1.2GHz (optional) / 1.4GHz (optional)
	Jamming angle	360° omnidirectional
	Jamming distance*	≥ 2km, j/c ratio ≥ 10:1
Whole Machine	Response time	< 5s
	Funcion expansion	Navigation spoofing function (optional)
	Protection level	IP66
Whole Machine	Working temperature	-30℃~+55℃

*Detection / jamming distance may vary depending on deployment environment and test drone.

AT-606 Fixed UAV Detector



INTRODUCTION

Utilizing passive detection technology, it enables 360° omnidirectional reconnaissance, identification, and direction-finding for various drones with long detection range. Leveraging proprietary SDR architecture and AI-powered spectrum recognition, it offers customizable frequency band configuration and multi-interface support for seamless integration with diverse equipment. Capabilities include ultra-long-range detection, single-unit positioning, precise model identification, and trajectory playback.

SPECIFICATIONS

Operation method	Radio detection
Detection frequency band	100MHz~6000MHz
Detection angle	360° omnidirectional
Detection distance*	5~7km (open environment), 1~2km (urban environment)
Targets capacity	≥ 50
Recognizable models	300+
Direction-finding accuracy	5RMS° (open environment)
Positioning accuracy	5m
Detection alarm	Support
False alarm rate	≤ 5%
Underreporting rate	≤ 5%
Size (host)	Φ400mm*H460mm
Weight (host)	< 14kg (without the bracket)
Power supply	AC 220V
Protection level	IP66
Working temperature	-30℃~+55℃

*Detection distance may vary depending on deployment environment and test drone.

AT-610 EWALL Fixed Counter-UAV Electronic Wall with Shielding Function



SPECIFICATIONS

Jamming method	Radio jamming
Jamming mechanism	SDR (Software Defined Radiio)
Jamming bands	400MHz / 800~900MHz / 1.2GHz / 1.4GHz / 1.5GHz / 2.4GHz / 5.2GHz / 5.8GHz
Jamming direction	Directional jamming (towards the sky)
Defense range*	600m width (the highest point) * 300m height * 50m thickness
Jamming response time	< 5s
Transmission power adjustment	Support
GPS positioning	Configurable with external External positioning antenna, supporting BDS / GPS / GLONASS / Galileo
Size	1084.5*894*505.7mm (45°, excluding pole)
Weight	55kg (excluding pole and cables)
Power supply	AC 220V
Protection level	IP66
Working temperature	-40℃~ +55℃

*Defense range may vary depending on deployment environment and test drone.

INTRODUCTION

SDR-based drone countermeasure innovatively redefines low-altitude defense. AT610's unique upward jamming creates an "electronic shielding wall" to block drones, while multi-unit networking enables precise perimeter defense. Its hollow-design jamming zone avoids disrupting ground communications, solving public nuisance issues from omnidirectional jamming. Ideal for military camps, command posts, government sites, prisons, anchorages, and border fortresses.

AT-611 Fixed GNSS Spoofer





Full-Signal Coverage

Covers GPS/GLONASS/Galileo signals to counter dual/multi-mode navigation drones.

Safe & Harmless

Milliwatt-level transmission power, fully compliant with industry regulations.

Multi-Type Drone Spoofing

Effective against all satellite-guided drones, covering most conventional UAVs.

Unattended

360° omnidirectional active countermeasures enabling 24/7 unmanned real-time operations.

Adjustable Scope

The scope of the spoofing area is adjustable and can be flexibly set according to actual needs.

Environmental Adaptability

IP66-rated for harsh environments, operable in various severe weathers.

INTRODUCTION

Leveraging SDR architecture, it generates virtual navigation signals to infiltrate illegal drones' systems, disrupting their planned trajectories for effective expulsion or area denial.

SPECIFICATIONS

Decoy signal types	BDS / GPS / GLONASS / Galileo
Synchronization accuracy	< 1μs
Radiation power	≤ 10mW (optional)
Effective direction	360° omnidirectional
Effective distance*	500m~1km (optional)
Swarm defense	Support simultaneous jamming of ≥10 drones of different brands
Boot time	≤ 5min
Effective time	< 5s
Result	Divert / land
Size	403*307*180mm
Weight	< 15kg (without the bracket)
Power supply	AC 220V
Power consumption	≤ 30W
Protection level	IP66
Working temperature	-30℃~+55℃
Working humidity	≤ 93% RH, no condensation water

*Spoofing distance may vary depending on deployment environment and test drone.

AT-608 Counter-UAV Control Platform



INTRODUCTION

The Counter-UAV Control Platform delivers integrated, intelligent management by networking detection/jamming/decoy systems for comprehensive "low-slow-small" drone monitoring, tracking, and neutralization.

Its B/S architecture with GIS mapping enables multi-target alerts, operator/drone positioning, trajectory tracking, and whitelist management, supported by spectral/visual/3D tracking for rapid, data-driven decision-making.

SPECIFICATIONS

OS	Windows 10 Professional / Ubuntu 22.04
CPU	Intel® Core™ i5-12400
RAM	DDR4 16GB
System disk	1T SSD
Display	Dual 23.8-inch, flip-up
Resolution	1920*1080 IPS HD screen
Keyboard	Integrated backlit keyboard, mouse touchpad
Speaker	Front dual-chamber speakers
Graphics card	GTX1050Ti
Hard disk pull-out box	Built-in 5-bay 3.5-inch hard drive pull-out box
Network card	Dual Gigabit network card
Audible and visual alarm	Support (optional)
Material	Magnesium-aluminum alloy shell, with handle, anti-collision corner guard, cooling fans, upper screen hydraulic rod support, O&C firmly and smoothly
Power supply	Built-in 650W ATX power supply
Size	628*278*416mm
Weight	~ 22.2kg ± 0.5kg
Working temperature	0℃~+45℃