



Electromagnetic Net Launcher

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NEXWISE Intelligent



ZanX

AI ELECTROMAGNETIC NET CAPTURING
SERIES PRODUCT MANUAL



ENTERPRISE INTRODUCTION

Nexwise Intelligence China Limited (Nexwise Intelligence) is a leading innovator in AI product development and manufacturing, with a strong focus on two key areas: AI infrastructure and AI-powered industry applications. Our sub-brand KuberCloud is dedicated to building the foundation of intelligent computing. Flagship solutions like the Deep-Seek Hyper-Converged System and Intelligent Computing Platform are designed to provide powerful, scalable AI computing capabilities that drive digital transformation across industries. ZanX, our intelligent security brand, pioneers cutting-edge solutions such as AI-powered security robots and electromagnetic protection devices. These innovations are widely adopted in public security, industrial operations, education, and healthcare, delivering smart protection where it matters most.

With top AI R&D team and over 500 core patented intellectual property rights, the company has created Nexwise AI-powered productivity hub based on artificial intelligence, intelligent computing and IoT sensing under its independent research and development, and participated in Guangdong Provincial Key R&D Program and “Next-Generation Artificial Intelligence” Major Project on multiple occasions. Listed on the ChiNext Market of the Shenzhen Stock Exchange (Stock Code: 301248) since 2022, the company operates under a dual-headquarters model in Guangzhou and Beijing, and remains committed to its mission: “AI for All Industries, Smarter and Safer World for All” through continuous innovation in AI technologies.



Core Values

Customer First,
Talent upmost



Enterprise Mission

AI for All Industries
Smarter and Safer World for All



Enterprise Vision

To become a leading innovator in the
R&D and manufacturing of AI products

1

ELECTROMAGNETIC NET-CAPTURING DEVICE

Based on the electromagnetic ejection technology independently researched and developed by Nexwise, it generates an instant thrust to open the capture net rapidly. In case of a target ahead, it twines the target automatically under a traction to restrain and capture the moving target securely within a close range (10m).

As the first electromagnetic net-capturing product applied to public security operations nationwide in a large scale, the product can be widely applied to security protection of schools, hospitals, parks, stations, financial institutions, energy facilities and government offices as well as assisting public security organizations in capture and emergency response.

/// APPLICATION SCENARIOS ///



Security Protection for
Critical Site

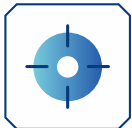


Emergency Incident
Response



Security Protection for
Large-Scale Events

/// CORE SELLING POINTS ///



Lightning Response,
One-Button
Neutralization



Wide Net Coverage,
Precise Capture



Low Maintenance,
No Consumables
Required



Electromagnetic
Technology,
AI Synergy



Safety Distance,
Safety Controls

/// TECHNICAL SPECIFICATIONS ///

Section	Parameter Type	Details
ELECTROMAGNET- IC NET-CAPTURING DEVICE	Product Form	Handheld
	Projectile Type	Ultra-High Molecular Weight Polyethylene Net
	Number of Tether Heads	4
	Effective Capture Range	5-10m
	Maximum Trigger Cycles	>500 times
	Mesh Length	≤150 mm (diagonal length of mesh)
	Deployed Net Size	2.4 x 2.4m
	Operating Temperature Range	-10°C to 55°C
	Weight	Approx. 1.2 kg
	Package Contents	1 charger, 1 main unit, 3 nets, 1 carrying case

/// PRODUCT HIGHLIGHTS ///

- Electromagnetic Launch Technology - No high-pressure gas cylinders or gunpowder required; no consumable parts, allowing repeated use.
- Ultra-High Molecular Weight Polyethylene Net - Designed to restrain hazardous targets without causing harm to individuals.
- Compliant with GA510-2004 Police Capture Net Standard - Meets official law enforcement equipmentspecifications.
- User-Friendly & Portable - Simple operation, easy to carry, and suitable for various security and arrest scenarios.
- Durable & Reliable - Net line breaking strength exceeds 130N.
- Battery-Powered Operation - Single charge supports ≥30 consecutive launches.
- Quick Reload & Reusable - Nets can be rapidly replaced and reused, or deployed as disposable units.



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Product Video



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Usage Video

2 ELECTROMAGNETIC NET-CAPTURING PATROL ROBOT DOG

It forms an embodied intelligent system through integrating cutting-edge technologies like AI, AI-powered robotic technology and electromagnetic ejection technology. With functions like 3D modeling, autonomous obstacle avoidance, visual tracking, hazard recognition, automatic alert, voice interaction, intelligent net capture and multi-terrain adaptability, it is applicable for all-weather monitor, security patrol, companion & collaboration, reconnaissance & exploration, firefighting & rescue and other scenarios to realize all-weather intelligent security patrol and emergency response around the clock.

/// APPLICATION SCENARIOS ///



24/7 Automated Patrol



Security Protection for Large-Scale Events



Emergency Incident Response

/// TECHNICAL SPECIFICATIONS ///

Section	Parameter Type	Details
ELECTROMAGNETIC NET-CAPTURING DEVICE	Product Form	Robot Dog Carrying
	Projectile Type	Ultra-High Molecular Weight Polyethylene Net
	Number of Tether Heads	4
	Effective Capture Range	5-10m
	Maximum Firing Count	>500 shots
	Shots per Charge	≥50 shots
	Mesh Size	≤200mm (diagonal length)
	Net Deployment Area	≤150 mm (diagonal length of mesh)
	Operating Temperature	-10°C to 55°C
	Weight	Robotic Dog: ~15kg; Net Launcher: ~1.3kg
	Configuration List	1 charger, 1 main unit, 3 nets, 1 carrying case
ROBOT DOG	Functional Capabilities	· Wireless Following · Voice Control · Visual Tracking · Remote Operation · LiDAR Navigation · Path Planning · Stair Climbing · Intelligent Early Warning · Smart Obstacle Avoidance

/// PRODUCT HIGHLIGHTS ///

- Compliant with the GA510-2004 Police Capture Net industry standard.
- Safe, reliable, and harmless, it is user-friendly and highly efficient.
- Featuring infrared targeting and image-guided auto-aiming for specific targets or body parts.
- Equipped with intelligent robotic dog visual tracking, enabling image recognition, target following, dangerous behavior analysis, and early warning.
- Simple to operate with wireless accompaniment, supporting voice command control, short-range wireless tracking and positioning, as well as companion follow mode.
- Laser navigation: Integrated with LiDAR for path planning, 3D mapping, autonomous patrol, and remote control.
- Motion control: Capable of obstacle crossing, approaching targets, blocking threats, and protecting others.



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3 ELECTROMAGNETIC NET-CAPTURING DRONE

Based on the electromagnetic ejection technology and AI decision-making algorithm independently researched and developed by Nexwise Intelligence, it captures and intercepts a target through remote control; it can respond to and stop low-altitude drone intrusion, unauthorized flight and erratic flight behaviors by launching a capture net in real time through integrating high-altitude reconnaissance, security patrol, intelligent net capture and hazard identification and alert functions. It executes air-to-ground net launching to restrain a threat on the ground effectively and enhances security patrol and emergency response efficiency, relying on its aerial advantage; it is applicable for aerial security, law enforcement support, emergency rescue, drone restraint and other security scenarios.

/// APPLICATION SCENARIOS ///



Drone Capture & Countermeasure System



Emergency Incident Response



Security Protection for Large-Scale Events



/// TECHNICAL SPECIFICATIONS ///

Section	Parameter Type	Details
ELECTROMAGNETIC NET CAPTURE DEVICE	Projectile	UHMWPE Capture Net
	Effective Capture Range	5-15 m
	Maximum Firing Count	>500 shots
	Shots per Charge	≥50 shots
	Mesh Size	≤200mm (diagonal length)
	Net Deployment Area	2.4×2.4 m
DRONE (OR UNMANNED AERIAL VEHICLE/UAV)	Operating Temperature	-10°C~55°C
	Endurance	55min
	Protection Level	IP55
	Flight Speed	23m/s
	Weight	Drone ≤9.4kg, Net Launcher ≤2Kg

/// PRODUCT HIGHLIGHTS ///

- **High safety:** It minimizes the risk of direct human exposure to ensure safety of law enforcement or rescue personnel;
- **Flexibility and efficiency:** It features rapid response, accurate positioning and rapid net launching device to enhanced mission efficiency;
- **Multi-function:** It supports diverse mission scenarios and works with other equipment;
- **Advanced technology:** It integrates cutting-edge technologies like intelligent obstacle avoidance and visual positioning to ensure stable operation;
- **Environmental-friendly:** It minimizes risk to surrounding environment and personnel, applicable for populated areas.



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4

ELECTROMAGNETIC NET-CAPTURING PATROL ROBOT

Based on the electromagnetic ejection and AI technologies independently researched and developed by Nexwise Intelligence, it integrates intelligent security patrol system and advanced electromagnetic-powered net capture equipment to realize 24/7 security patrol, visual tracking, remote control, intelligent net capture, hazard identification and alert functions.

As a mobile response platform, the robot can identify an unauthorized intrusion or hostile target in time, and launch a capture net to reduce security risk of personnel. It meets periodic security patrol requirement through its remote-control system to enable unmanned monitor and improve emergency response efficiency and security.

/// APPLICATION SCENARIOS ///



24/7 Automated Patrol



Security Protection for Large-Scale Events



Emergency Incident Response



/// TECHNICAL SPECIFICATIONS ///

Section	Parameter Type	Details
ELECTROMAGNETIC NET CAPTURE DEVICE	Projectile	UHMWPE Capture Net
	Effective Range	5-10 meters
	Max. Firing Count	>500 times
	Launches per Charge	≥50 times
	Mesh Size	≤200mm (Diagonal Length)
	Net Area	2.4*2.4m
	Operating Temp	-10°C~55°C
ROBOT	Dimensions (LWH)	1400*870*1250mm
	Weight	Robot ~250kg, Net Launcher 1.5kg
	Functional Modules	Autonomous Patrol, Electromagnetic Net Launch, Audio/Video Capture, Infrared Imaging, Face/Li-cense Plate Recognition, Human-Machine Interaction, Voice Broadcast, Environmental Monitoring
	Endurance	8-10h
	Protection Level	IP55

/// PRODUCT HIGHLIGHTS ///

- Security patrol and defense:** It enables on-site and remote controls, featuring harm free, convenient operation and high efficiency;
- Automatic targeting:** With infrared aiming and image guiding, it aims at a specific target or location automatically;
- Visual tracking:** It enables image recognition, target following and dangerous behavior analysis and alert;
- Flexible turning:** Equipped with a gimbal-controlled rotation function, allowing flexible adjustment of the camera and net launcher angles;
- Motion control:** Remote motion control, automatic navigation, automatic charging, wireless charging and emergency stop.



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5 AI ROBOT INTEGRATED COMMAND PLATFORM

As the first all-category unmanned device control and scheduling platform in the sector, it realizes unified scheduling management, patrol allocation, risk identification and collaborative operations of robots, robot dogs, drone and Nexwise Flying Robot Dogs; it has device management, remote control, task scheduling, data collaboration, intelligent analysis and situation presentation functions.

/// APPLICATION SCENARIOS ///



Traffic Control



Security and Protection Control



Emergency Rescue

/// PLATFORM FUNCTIONS ///



Data Panorama Display

Unified presentation of campus modeling, real-time status, device status, task status, alarm information, etc.



Device Collaborative Operation

Unified management, unified scheduling, and collaborative operation of robots, robot dogs, drones, video surveillance, etc.



Intelligent Detection Platform

Face detection, license plate detection, environmental monitoring, thermal imaging detection, dangerous actions, and abnormal behavior detection.



Target Multi-Dimensional Deployment

Target warning, area warning, face warning, situational warning, anomaly analysis.

/// PLATFORM MODULES ///



Device Management



Task Management



Warning Events

/// PLATFORM HIGHLIGHTS ///

- Long-distance real-time communication, live streaming on multiple screens, with zero delay.
- Multi-source data fusion, obvious intelligent analysis.
- Full AI scenario coverage.