

# TECHNICAL SPECIFICATIONS

## ROBOT DOG

Model	W1
Upright Dimensions (L×W×H)	700×430×820mm
Prone Dimensions (L×W×H)	700×430×490mm
Weight	20kg
Protection Level	IP54
Endurance	>2h
Continuous Travel Range	>5km
Max Speed	2.5m/s
Max Step Height	16cm
Max Climbing Angle	35°
Operating Temperature	-20°C~45°C

## NET LAUNCHER

Projectile Type	Ultra-High Molecular Weight Polyethylene Net
Effective Capture Range	5-10m
Max Firing Count	>500 shots
Shots per Charge	≥50 shots
Mesh Size	≤150mm
Deployed Net Size	2.4×2.4m



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# AI Patrol Net-Launch Wheeled Robot Dog

Mobile Patrol Rapid Response



NEXWISE INTELLIGENCE CHINA LIMITED

## PAYLOAD MOUNTING



## CORE ADVANTAGES



### Active Response with Electromagnetic Net Capture

Equipped with a dedicated electromagnetic net launcher to rapidly deploy capture nets at long-distance against targets.



### Secure Restraint, Smart Protection

Automatically locks onto targets and supports on-site, remote, and voice-activated control for launching capture nets



### Accurate Multimodal AI Recognition

Accurately identifies people, vehicles, environmental risks, and abnormal behaviors



### Real-Time Alerts + Closed-Loop Platform Response

AI delivers instant identification and automatic alerts to realize full-process closed-loop operation



### Rapid Warning and Deployment

Equipped with a loudspeaker and warning lights to support temporary area deployment



### Agile and Maneuverable

Compact and flexible, with quick obstacle-crossing capability for narrow passages in communities and residential compounds, and other narrow environments.

## CORE FUNCTIONS



### Panoramic Surveillance

Provides panoramic capture and automatic recording, supporting real-time on-site data transmission, post-event video review, and traceability.



### AI Recognition

Integrated with multimodal large models for precision identification of persons/vehicles, hazardous behaviors, and environmental risks.



### Real-Time Alerts

Device abnormalities and AI-detected risks can be pushed to the command platform in real time to trigger graded alert responses.



### Automatic Targeting

Based on edge-computing capabilities, the vision system automatically locks onto key target areas to improve net-capture accuracy.



### Intelligent Net Capture

Triple control modes—on-site, remote, voice-activated—for capture net deployment.



### Voice Interaction

Equipped with a Ultra-High performance loudspeaker, supporting voice warnings and real-time public address to enhance on-site response.



### Light Warning

Supports multiple light modes for on-site warning and safety guidance.



### Flexible Mobility

The wheel-legged structure enables fast movement, quick obstacle crossing, close target-area approach, and passage through narrow spaces.



### Remote Control

Supports remote device operation via the management platform for flexible emergency response and complex on-site handling.

## APPLICATION SCENARIOS

### Collaborative Patrol

Patrols in sync with on-duty personnel, enabling agile and flexible coverage across the entire area.



### Security Guarding

Rapidly responds to emergencies and proactively handles risks to ensure safety.



### Temporary Alert Deployment

Quickly approaches target areas for rapid deployment, early warning, and deterrence.



### Emergency Incident Response

Quickly crosses obstacles to approach targets and enables remote, flexible handling of emergencies.

