TECHNICAL SPECIFICATIONS

ROBOT DOG

Model	X1
Upright Dimensions (L × W × H)	1000 × 470 × 1020mm
Prone Dimensions (L × W × H)	1130 × 470 × 590mm
Weight	72kg
Protection Level	Main Body IP67 + Upper Payload IP55
Endurance	3h
Continuous Travel Range	10km
Max Speed	4m/s
Max Step Height	20cm
Max Climbing Angle	45°
Operating Temperature	-20°C~55

NET LAUNCHER

Projectile Type	Ultra-High Molecular Weight Polyethylene Net
E ective 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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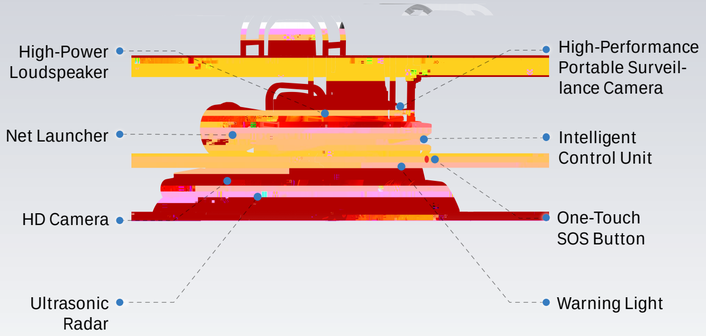
AI Patrol Net-Launch Robot Dog Pro

Smart Security Autonomous Patrol

NEXWISE INTELLIGENCE CHINA LIMITED

PAYLOAD MOUNTING



Dual-Light Gimbal

Robotic Arm

Gas Detection Module

CORE ADVANTAGES

Electromagnetic Net-Capturing for Active Response

The first electromagnetic net-capturing system integrated on quadruped robots

AI-Powered Autonomous Patrol

Supports real-time mapping, dynamic path planning, intelligent obstacle avoidance, and autonomous charging

Multimodal AI Precision Recogni-tion

Accurately identifies people, vehicles, environ-mental 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

Superior Protection & Long Bat-tery Life

IP67-rated body and IP55-rated payload, with an endurance of up to 3 hours

Excellent Adaptability for All Scenarios

Capable of traversing complex terrains including sand, gravel, and mudddy ground flexibly

CORE FUNCTIONS

Autonomous Patrol

Self-navigates along predefined patrol routes with auto-charging capability for continuous operation.

Accompanied Patrol

Supports moving alongside duty personnel for real-time collaborative patrol operations.

Panoramic Surveillance

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

AI Recognition

Supports multiple algorithms including facial recognition, license plate recognition, weap-on-carrying behavior detection, and fire/smoke detection, and integrates with multimodal large models for accurate recognition.

Real-Time Alerts

Device abnormalities and AI-detected risks can be 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 safe and e ective target neutral-ization.

Voice Interaction

Equipped with a 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.

One-Click Emergency Call

The one-touch SOS button enables direct communication between the site and the com-mand center.

APPLICATION SCENARIOS

Police Patrol

Continuous patrol to prevent risks such as weapon-carrying break-ins and abnormal gather-ings

Security Duty

Rapid emergency response to protect personnel safety

Industrial Inspection

Intelligently identifies suspi-cious behaviors and triggers real-time alerts

Emergency Rescue

Crosses obstacles and approaches target areas for precise control