

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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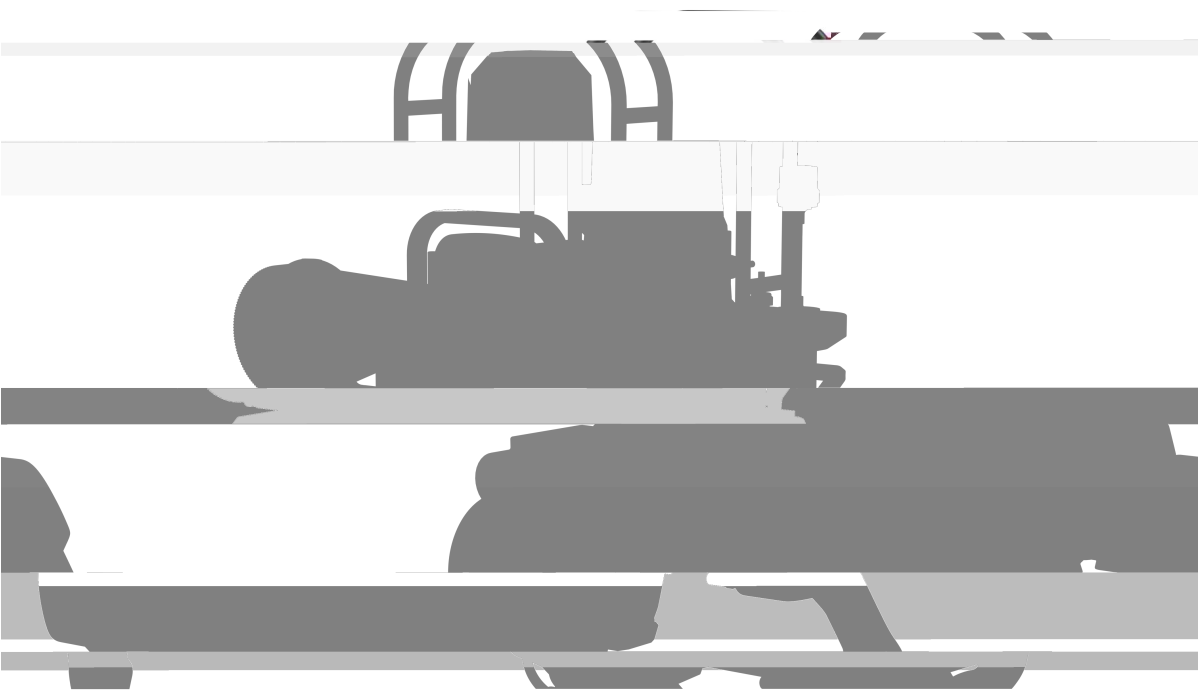


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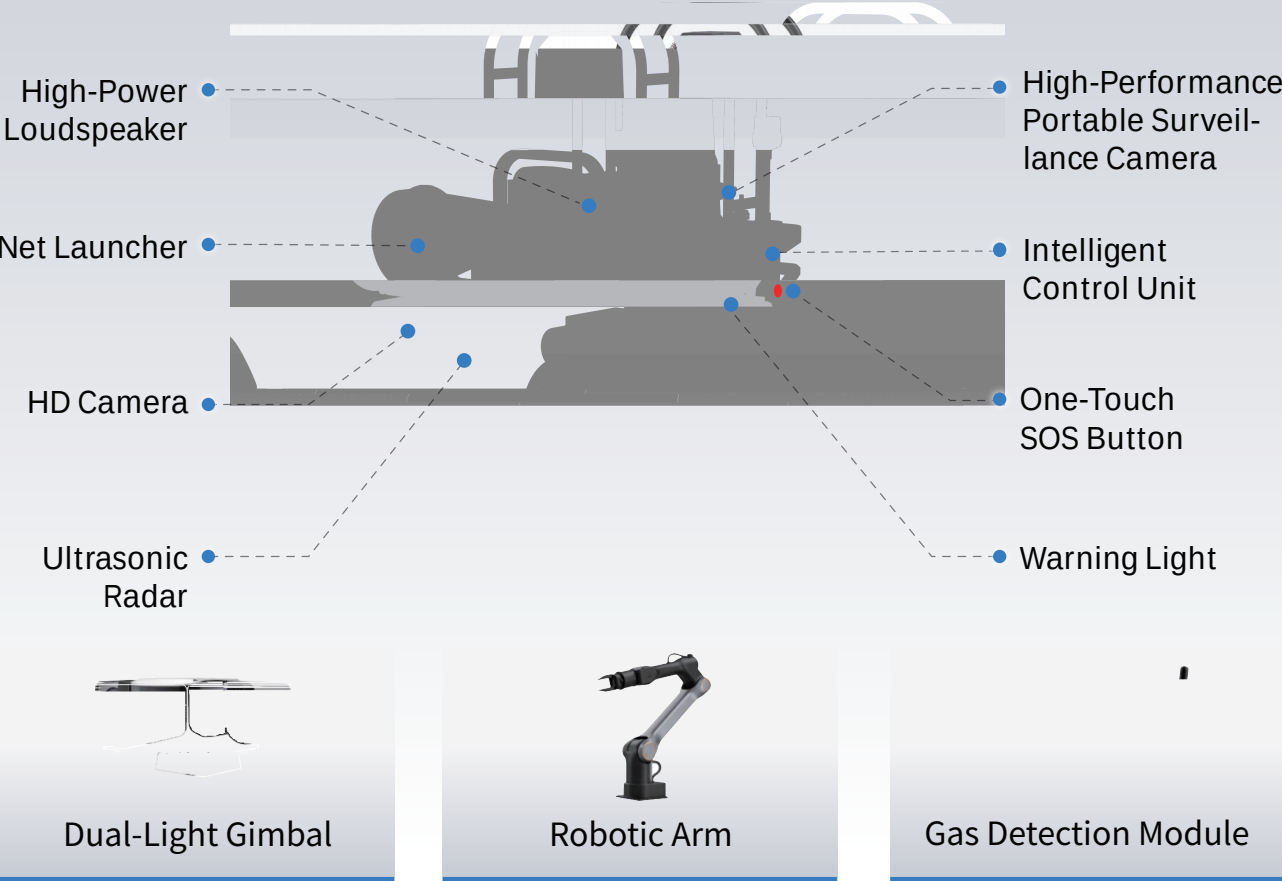


AI Patrol Net-Launch Robot Dog Pro

Smart Security Autonomous Patrol



PAYLOAD MOUNTING



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 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



Superior Protection & Long Battery 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 muddy 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, weapon-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 effective target neutralization.



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 command center.

APPLICATION SCENARIOS

Police Patrol

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

Security Duty

Rapid emergency response to protect personnel safety

Industrial Inspection

Intelligently identifies suspicious behaviors and triggers real-time alerts

Emergency Rescue

Crosses obstacles and approaches target areas for precise control

