INDOOR PATROL ROBOT



ST Engineering

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The Indoor Patrol Robot is designed for modern commercial spaces and key protection areas. It revolutionises security systems with its advanced AI, sensors, cameras, and autonomous navigation. Equipped with AI-powered vision analytics, the Indoor Patrol Robot collects vital data, detects hazards, and performs tasks ranging from routine patrolling and real-time threat detection to crowd monitoring, emergency response management, and access control. Additionally, it features a high-definition screen for advertising and messaging purposes.

With AI-driven technology, the Indoor Patrol Robot enhances safety and intelligence in corporate security, public safety, and the protection of critical infrastructure.

KEY FEATURES

AI-Powered Vision Analytics:
Real-time Detection and Interdiction Using Generative AI

Safeguard Against Emerging Threat:
Cyber-hardened Physical and Network Security Architecture

Smarter and Safer:
Next-level Navigation Powered by Contextual Autonomy

Heighten Situational Awareness:
No blind spots with 360° view even in low light conditions

Fleet Management System (FMS) Integration:
Centralised Real-time Monitoring Management of Robot Fleet

Smart Diagnostics:
Integrated Health & Usage Monitoring System (HUMS) Data Analytics

Smooth Transition Across Multiple Floor Types:
Moves smoothly and quietly across hard and soft flooring surfaces



APPLICATIONS

Key Protection Areas: Airport Terminals, Depots, Ports







Commercial Spaces: Hotels, Shopping Malls, Offices, Healthcare Institutions









Surveillance



Dynamic Signages



Emergency Response



Facility Inspection



Concierge

TECHNICAL SPECIFICATIONS

Dimensions (L) x (W) x (H)	600mm x 450mm x 1500mm
Weight	120kg
Cybersecurity	Yes
Speed	Up to 5km/h
Slope Incline	10°
Camera	Low LUX 360°
Intercom	Yes
Battery	4 Hours Continuous Operation Without Charging
Screen	Interactive Touch Screen (Top) / LED Display (Bottom)
Operational Capabilities	Patrol & Surveillance Parking Enforcement Crowd Control Public Address System IoT Ready Multi-role Capability - Safety & Service

Note: Specifications are subject to change by the manufacturer without prior notice. Pictures shown are for illustration purposes only, actual product may vary.

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