Security Patrol Platform

The Security Patrol Platform is a high-mobility, all-wheel-drive ground system designed for intelligent, multi-mode operation. It supports autonomous driving, remote control (both beyond-visual and close-range), and manual operation, adapting seamlessly to complex mission environments. The platform can be equipped with electro-optical sensors, acoustic and light deterrents, PA systems, and hazardous gas detection modules. A built-in mini helipad enables onboard takeoff and landing of small rotary UAVs, creating an integrated air-ground operation network. With superior mobility and modular expandability, it provides round-the-clock smart security patrol solutions for industrial parks, airports, perimeter security / critical infrastructure protection, and energy facilities.

The Reconnaissance Patrol Vehicle, derived from the Security Patrol Platform, features autonomous driving and remote control (both beyond-visual and close-range) capabilities, with enhanced perception, tracking, target recognition, and autonomous planning functions.

Reconnaissance Patrol Vehicle

Technical Specifications

Model	JJ-SP375
Dimensions (L×W×H)	2200 × 898 × 798 mm
Minimum Ground Clearance	252 mm
Approach Angle	70°
Departure Angle	75°
Combat Weight	375 kg
Payload Capacity	170 kg
Mobility & Obstacle Performance	
Maximum Gradeability	32°
Side Slope Angle	20°
Trench Crossing Width	250 mm
Vertical Obstacle Height	260 mm
Fording Depth	330 mm
Mobility & Handling	
Maximum Speed	60 km/h
Average Off-Road Speed	15 km/h
Acceleration (0–20 km/h)	5 s
Braking Distance (at 20 km/h)	4 m
Additional Features	
Drive System	4x4
Suspension	Dual-wishbone independent suspension (front & rear)
Power System	Pure Electric
Endurance	≥ 60 km
Remote Control Range	> 5 km
Short-Range Control	< 100 m