

WR52 Unmanned Reconnaissance Vehicle



24/7 Operation in All Weather Conditions:

Employing a multi-mode composite detection approach with intelligent thermal imaging, high-definition visible light, and laser night vision, the product integrates these methods to complement each other, enabling rapid search and close-range detailed observation of targets around the clock and in all weather conditions.

Multidimensional Perception:

Supports image scaling; optional laser rangefinding; compatible with various sensors.

High Intelligence:

Supports hotspot detection, smoke and fire alarms, and temperature monitoring; area intrusion detection; Supports detection, classification, and identification of vehicles, vessels, and people; target tracking and filtering; and AR-based intelligent information interaction.

Active Defense:

Supports tweeters and flashing lights to deter or repel unauthorized individuals.



TECHNICAL SPECIFICATIONS

Chassis Parameters			
Design Dimensions	1270×904×530 mm	Internal Dimensions*Battery Compartment included	1070×490×314 mm
Chassis Weight	290 KG	Travel Speed	0-10 km/h
Ground Clearance	130 mm	Protection Level	IP64
Gap Crossing	200 mm	Maximum Payload	100 Kg
Maximum Gradeability	30°	Vertical Obstacle Crossing	150 mm
Track Material	Rubber *with Embedded Steel Core	Track Width	150 mm
Suspension System	Christie x 6 Shock Absorbers	Main Materials	Alloy Steel Plate / Aluminum / Polymer Materials
Surface Finishing	Black Powder Coating (Matte Finish)	Remote Control Range	200 m (External Antenna)
Electronic Sentinel System Parameters			
Detection Range	6500 m (for vehicles) 2500 m (for people)	Recognition Range	800 m (for vehicles) 1800 m (for people)
Laser Effective Range	500 m	Operating Temperature	-40°C ~ 60°C
Rotation Angle	Horizon: 360°continuous rotation Pitch: -90° ~ +90°	Rotation Speed	Horizon: 0.01°/s ~ 100°/s Pitch: 0.01°/s ~ 80°/s

