

Version		Autonomous Driving Edition	Manual Remote Control Edition	
Overall Parameters	Overall Dimensions	800mm x 523mm x 952mm		
	Overall Weight	≦ 70 KG		
	Pan-Tilt Lifting Height	300mm		
	Chassis Ground Clearance	85mm		
	Overall Power	≦ 1000W		
	Wheel Hub Size	8 inches		
	Drive Method	Dual-wheel independent drive		
	Steering Model	Four-wheel independent steering		
	Suspension Method	Four-wheel independent steering		
	Cooling Method	Air cooling		
	Protection Rating	Overall IP55		
	Performance Parameters	Maximum Step Height	40mm (vertical)	
		Maximum Climbing Angle	10° (dual-wheel drive), 15° (four-wheel drive)	
Maximum Trench Crossing Height		100mm		
Maximum Water Wading Depth		60mm		
Maximum Remote Control Speed		2 m/s (Factory default setting: 1.6 m/s)□		
Minimum Turning Radius		0mm (in-place turning)□		
Braking Distance		Less than 0.5m (at 0.8 m/s travel speed)□		
Navigation Parameters		Navigation & Positioning Method	Laser SLAM	
	Obstacle Avoidance Method	Laser, Ultrasonic, Infrared, Physical Collision		
	Maximum Autonomous	1.6 m/s		
	Minimum Passable Width	1m		
	Minimum Passable Right-Angle	1.2m		
Environmental Monitoring	Remote Sensing Area	1,000,000 m²		
	Positioning	±10cm		
	Temperature Monitoring	Range: -20°C to 80°C, Accuracy: ±0.2°C		
	Humidity	Range: 0-100% RH, Accuracy: ±2%		
Intelligent Monitoring		Face Detection, License Plate Detection, Pedestrian Intrusion Detection, Trash Bin Detection, Vehicle Intrusion Detection	Not Supported	
	Image Recognition			
Video Surveillance	Pan-Tilt Mode	Single/Dual-light Pan-Tilt, Horizontal 360°, Vertical +90°		
	Surveillance Camera	Resolution: 1920 × 1080, Night Fill Light (Infrared), Lens Zoom: 25x Optical		
	Battery Capacity	48V/20AH		
	Endurance	6~8 hours		

Power Parameters	Charging Time	≦ 2 hours (20%~90%)
	Charging Method	Automatic Return to Charge / Manual Charging
	Battery	Quick Manual Swap