

Autonomous Security ATV



Capabilities

Monitor your valuable assets using a fully autonomous long-range ATV.

- Drive-by-wire technology, which uses electronic controls to activate the brakes, control the steering, and operate other systems.
- Performing safety and security tasks.
- Programmed for situation awareness and analysis.

Features

- Automatically detects fence line breaches and reports to security.
- Animal detection with species identification to above 90% accuracy.
- Able to avoid obstacles while maintaining surveillance on critical assets and perimeter enforcement.

Functions



Technical Specifications

Size and Weight	
External Dimensions (L x W x H)	92" x 48" x 85"
ATV Dry Weight*	919 lb
Wheels	12 x 6 (Steel)
Ground Clearance	7"
Speed and Performance	
Max Payload	Max GVW 1540 lb
Max Speed (Manual)	30 km/h (Low Range)
Max Speed (Autonomous)	15 km/h
Drivetrain/Drive Power	Automatic PVT In-Line H-L-N-R-P (Intl. -Park Brake/Diff. Lock)
Battery and Power System	
Battery Chemistry	Lead-acid
Capacity	CA 1650; CCA 1350; RC 530 min @ 25 Amp
Runtime – Nominal Usage	Roughly 4 hrs (Max 121 A @ 220 Ah -> 1.8 hrs, Reg 29 A @220 Ah -> 9.5 hrs)
Charge Time	4 hrs at 6A 120Vac Outlet
User Power	Max 740 Watts
Interfacing and Communication	
Control Modes	Manual, Autonomous
Feedback	ATV Dash Display, Remote User Interface via OpenVPN
Communication	LTE, CAN, RS232, Modbus
Environmental	
Rating	IP65

*No fluids, no additional weight