



KABAM
ROBOTICS

Halo

Outdoor Security Robot

PRODUCT OVERVIEW

Experience the future of security and surveillance with Halo, the ultimate choice for outdoor security inspection.

Halo operates seamlessly with its comprehensive sensor array for precise navigation and optimal performance. With a robust all-terrain drive system, Halo effortlessly traverse through rugged and uneven landscapes, showcasing remarkable adaptability and resilience. Halo's weather-resistant shell guarantees uninterrupted operation in various weather conditions, including rain, wind, and high temperatures.

Featuring a complete 360-degree field of view, Halo captures extensive information for comprehensive surveillance and sophisticated analytics. Equipped with sirens and strobe lights, Halo creates heightened visibility and a commanding surveillance presence.

FUNCTIONS/FEATURES

- Autonomous Navigation System
- Battery Life (6 – 8 hours*)
- Safety Sensors for Obstacle Avoidance (Static and Dynamic)
- Self-Recharging Capabilities
- 360-degree Video Streaming

**Subject to specifications*

SMART+

LIVE OBSERVABILITY TOOLS

- Camera Feeds
- Lidar Feeds
- Health Data/ Metrics

OVER-THE-AIR INTERVENTION CAPABILITIES

- Remote Cockpit

TASK MANAGEMENT

- Scheduled and Ad-hoc Patrol Execution

REAL-TIME SYSTEM ALERTS

STATE-OF-THE ART USER INTERFACE

ADVANCED VIDEO ANALYTICS DETECTING UNATTENDED OBJECTS, OVERFLOWING BINS AND FAULTY LIGHTS

PRODUCT SPECIFICATION

SECURITY & SURVEILLANCE,
FACILITY INSPECTION

AUTONOMOUS DOCKING &
WIRELESS CHARGING

PA SYSTEM/
FCC ALERT

IP55 RATED

AUTOMATED
DISTURBANCE
RESPONSES

FRONT VIEW



BACK VIEW



SIDE VIEW



TOP VIEW



DESCRIPTION	PARAMETERS
Dimension (L x W x H)	1200 mm x 820 mm x 1300 mm
Weight	115 kg
IP Protection	IP55
Camera	5 x 5 MP, 2.8 mm focal length (360° visibility, low-light vision*)
3D LiDAR	Qty: 1
Maximum Scan Radius (On the surface with a 90% reflective rate)	150 m
Field-of-View	Vertical: - 55° – 15° Horizontal: 360°
Speaker	2 x 100 Watts (92 dB)
Drive	4 Wheel Drive (Skid Steering)
Ground Clearance	120 mm
Climbing Ability	< 15°
Minimum Path Clearance	1.5 m
Turning Radius	0 (Robot is able to turn on a pivot)
Negative Obstacle Sensor	Qty: 2 Minimum Detecting Depth: 10 cm
Battery Capacity & Type	28 V, 60 Ah
Operations Hour Per Full Charge	6 – 8 hours**
Operating Environment	-4°F – 113°F
Speed	Up to 1.5 m/s
Network	4G
Screen	13.7" Android Tablet Computer (IP65)

*0.0001Lux @ (F1.2,AGC ON), 0 Lux with IR
**Subject to specifications

Thermal PTZ Camera (Optional with Additional Cost)

Array Format / Pixel	640 x 512 / 12µm
Lens	19 mm
Digital Zoom	1x, 2x, 4x
Minimum Illumination	Color: 0.05Lux@(F1.6,AGCON); Black: 0.005Lux@(F1.6,AGCON);
Focal Length	5.5 – 180 mm ; 33x optical zoom
Pan Range	360° (endless)
Tilt Range	-20° ~ +90° (auto reverse)