



# 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*)
Speaker	2 x 100 Watts (92 dB)
Drive	4 Wheel Drive (Skid Steering)
Ground Clearance	120 mm
Climbing Ability	< 15 degrees
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

Array Format / Pixel	640 x 512 / 12µm
Lens	19 mm
Digital Zoom	1x, 2x, 4x
Min. 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)