



**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

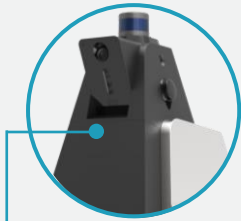
# PRODUCT SPECIFICATION

SECURITY & SURVEILLANCE,  
FACILITY INSPECTION

PA SYSTEM/  
FCC ALERT

AUTONOMOUS DOCKING &  
WIRELESS CHARGING

IP55 RATED



Modular Design  
For Easy Add-On Options  
(Camera & Sensor Arrays)

AUTOMATED  
DISTURBANCE  
RESPONSES



FRONT VIEW



BACK VIEW

TOP VIEW



SIDE VIEW

BACK VIEW



FRONT VIEW

## DESCRIPTION

## PARAMETRES

Dimension (L x W X H)	1167mm x 760mm x 1300mm
Weight	115kg
IP Protection	IP55
Camera	4 x 5MP, 2.8mm focal length (360° visibility, low-light vision*) 1 x downward-facing depth camera 1 x rear-facing depth camera
Speaker	2 x 30 Watts (86 dB)
Drive	4 Wheel Drive (Differential Steering)
Ground Clearance	120mm
Climbing Ability	< 15 degrees
Turning Radius	0 (Robot is able to turn on a pivot)
Battery	25V, 60AH
Operations Hour Per Full Charge	6 – 8 hours**
Charging Time	~ 3 hours
Operation Environment	-10°C - 45°C
RC Transmitter	2.4G/ extreme distance 1km
Speed	Up to 1.5m/s
Thermal Sensors (optional)	Spectral Range: Longwave infrared, 8µm to 14µm Effective Frame Rate: 8.7 Hz Thermal Sensitivity: <50 mK (0.050° C)
Smoke Sensors (optional)	Sensitivity: 0.08-0.2 db/m
Screen (optional)	13.7" Android Tablet Computer (IP65)
Battery Upgrade (optional)	25V, 90 or 120 AH

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

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