

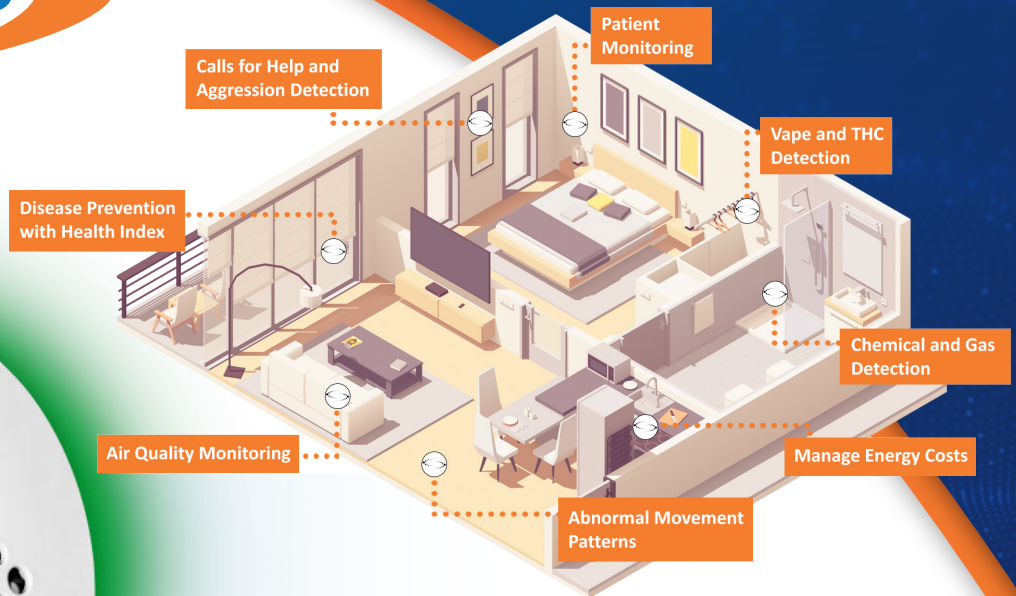
HALO

SMART SENSOR

ASSISTED LIVING



HALO Smart Sensor is Multi-Patented
and Design is Trademarked



HALO Smart Sensor

our all-in-one health, safety and vape device.

HALO is a key component in the solution to providing a low-risk environment by monitoring Carbon Dioxide (CO₂), Particulate Concentrations, Humidity, Volatile Organic Compounds (VOC), and Nitrogen Dioxide (NO₂) in the air. **HALO** delivers safe, healthy, and comfortable environments that keeps all personnel safe while, at the same time, saving money by efficiently running the HVAC system.



VAPE AND MARIJUANA (THC) DETECTION

Identify vaping and THC usage in privacy areas such as resident rooms, bathrooms, break rooms, and common areas.



AGGRESSION DETECTION

Protect your staff and residents. With HALO you are able to detect fights and loud noises in usually quiet areas.



AIR QUALITY MONITORING

See the average quality of the air you are breathing over the course of a few hours. Automate and ensure proper ventilation in each room with BACnet integration.



DISEASE PREVENTION

Ensure your residents and staff are safe from airborne diseases, prevent the spread of infectious disease, ensure rooms have been cleaned, and the air is properly filtered.



PANIC BUTTON

Users can trigger alerts via an external 3rd party panic button or via the HALO cloud app. The location of the trigger is associated to the HALO device in closest proximity.



CHEMICAL AND GAS DETECTION

Catch chemical spills and hazardous gases in mechanical or utility rooms, custodial closets, and maintenance areas.



CUSTOM SENSOR OPTIONS

Need customized calibrated industrial sensors? HALO 3C has options for Ozone, Sulfur Dioxide, Hydrogen Sulfide, Nitrogen Dioxide, and more!

Key Features

1. Add-on option only available to HALO Cloud customers 2. Available in the HALO 3C-PC model only



Connect to HALO Cloud to manage multiple devices, receive real-time Health Index and AQI alerts and reporting, see alerts and historical data to document your buildings health status and trouble areas. Download the HALO Cloud App to receive push notifications!



General Specifications

Operating Temperature	32°F - 122°F (0°C - 50°C)
Operating Humidity	0 to 90% Relative Humidity (non-condensing)
Power Supply	Single HALO 3C, PoE (IEEE 802.3af Class 3 Compliance) 11W. HALO 3C with additional tethered HALO 3C, PoE (IEEE 802.3at Class 3 Compliance) 22W*
Dimensions	5.5" x 2.0" (140mm x 51mm)
Weight	0.8 lbs (0.365 kgs)
Mounting Options	Surface Mount, Pole Mount (optional), Conduit Adapter (optional)
Vandal	IK10 rated, vandal proof housing with Tamper Alert
Certifications	UL, CUL, CE, RoHS, FCC, WEEE, NRCS, ACMA, RCA, UKCA, VCCI, KC

Network Specifications

Ethernet In	RJ-45 (10/100 Base-T)
Ethernet Out	RJ-45 (10/100 Base-T) IEEE 802.3af Class Compliance
Protocols	BACnet, RTSP, TCP/IP, IPV4/V6, HTTP, HTTPS, DHCP, ARP, Bonjour
Wireless	2.4 GHZ and 5GHZ IEEE 802.11 b/g/n/ac Wireless
Bluetooth	Bluetooth 5.0, BLE

Easier Installation with 3C

- Surface Mount Installation
- Power TWO Units Using One Cable Run*

Interface Specifications

Live Display Resolution*	1024 x 768, IFPS, Live MJPEG or H264, 8 Users maximum	*Image display of sensor readings only.
Audio	MEMS Microphones (2) [Audio Analysis Only] No Recording of Live Stream	
Alarm Triggers	Air Quality Index (AQI), Health Index, Vape, Vape THC, Aggression, Gunshot, Spoken Keyword, Tamper, Particulates, Carbon Dioxide Calibrated, Total Volatile Organic Compounds, Carbon Monoxide, Temperature/Humidity, Light Level, Sound Levels, Building Health, Motion Detection, Occupancy (People Counter), Panic Button	
Output	1, Normally Open or Closed, 48VDC at 1 amp	
Input	1, Isolated	
RS-485	1, Integrates wired industrial sensors	
External Device Power Output	5VDC out at 300mA	
Status Light	Alarm Condition, Multi-Color, Programmable	
Speaker	Alarm Condition, Pre-Recorded Files, Programmable WAV Files	

VMS Integrations: Milestone, Genetec, Avigilon, ExacQ Vision, Rhombus Systems, Arcules, Vivotek, Pelco, Ganz Cortrol, Nx Witness, Qognify, DW Spectrum IPVMS, Mirasys, Video Insight, EoCortex, Wisenet Wave VMS, Axonsoft, Digifort, and many others!

Supported Languages: English, Foreign Languages Supported

Other 3rd Party Integrations: ReFlow+ Metasys and OpenBlue, The Boring Lab, Presence Management, iIdentifyED, Vigilance Software, Punch Alert, DIR-S, Extreme Network Defender, Aruba HPE, Connect One, AMT, Gallagher, NuLEDs, Singlewire Informacast and many others!

Emergency Key Words: HALO supports multiple key words



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