



HALO SMART SENSOR 3C

HALO Smart Sensor is Multi-Patented and Design is Trademarked

# INTRODUCING THE NEW HALO Smart Sensor 3C

our multi-functional health, safety & vape detection device.

HALO Smart Sensor 3C is at the forefront of solving ever-evolving safety and security concerns as the industry leader in **monitoring facility privacy areas**. HALO 3C **protects the privacy of individuals** as it **does not use cameras, record audio, or capture any personally identifiable information (PII)**, making it the perfect solution for privacy areas such as restrooms and common areas.

New security and environmental monitoring features provide users with even greater levels of security and easier installation. These features add to HALO's existing features of gunshot detection, noise alerts, and emergency keyword alerting.



### EMERGENCY ESCAPE & ALERT LIGHTING<sup>1</sup>

HALO 3C comes with a literal HALO of LED colored lighting options that can be programmed to show escape routes for safety such as a red, yellow, and green pattern. Create unique colors for different alerts such as purple for Air Quality alerts or blue for Health alerts. The lights themselves are projected onto the ceiling around the HALO for extended visibility.



### MOTION DETECTION

Identify and alert on movement for occupancy and trespassing.



### CUSTOM SENSOR OPTIONS

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



### PANIC BUTTON<sup>2</sup>

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.



### OCCUPANCY AND PEOPLE COUNTING<sup>3</sup>

Identify how many people are within the HALO location and configure to alert on abnormalities.

Easier Installation with 3C with Surface Mount Installation and Power TWO Units Using One Cable Run



### ENHANCED HALO CLOUD AND NEW MOBILE DEVICE APP

Allows users to receive push notifications of any HALO alert, trigger a panic button, and provide the indoor air quality information of the actual room being occupied.



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## Key Features

### HEALTH



Health Index



Air Quality Index



Carbon Monoxide



Carbon Dioxide



Nitrogen Dioxide



Relative Humidity



Temperature



TVOC



Particulates



Chemicals

### SAFETY



Help (Spoken Keyword)



Emergency Escape & Alert Lighting<sup>1</sup>



Panic Button<sup>2</sup>



Occupancy (People Counter)<sup>3</sup>



Gunshot<sup>4</sup>



Aggression



Motion



Tamper

### VAPE



THC



Vape



Vape Masking

"HALO, how healthy is this room?"

## Download the HALO Cloud App to receive push notifications!

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.



### HALO 3C - General Specifications

<b>Operating Temperature</b>	32°F - 122°F (0°C - 50°C)
<b>Operating Humidity</b>	0 to 90% Relative Humidity (non-condensing)
<b>Power Supply<sup>5</sup></b>	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
<b>Dimensions</b>	5.5" x 2.0" (140mm x 51mm)
<b>Weight</b>	0.8 lbs (0.365 kgs)
<b>Mounting Options</b>	Surface Mount, Pole Mount (optional), Conduit Adapter (optional)
<b>Vandal</b>	IK8 rated, vandal proof housing with Tamper Alert
<b>Certifications</b>	UL, CUL, CE, RoHS, FCC, WEEE, NRCS, ACMA, RCA, UKCA, VCCI

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

**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!

**Supported Languages:** English, Foreign Languages Supported

**Emergency Keywords:** HALO supports multiple keywords



Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

### HALO 3C - Network Specifications

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

### HALO 3C - Interface Specifications

<b>Live Display Resolution<sup>6</sup></b>	1024 x 768, 1FPS, Live MJPEG or H264, 8 Users maximum
<b>Audio</b>	MEMS Microphones (2) (Audio Analysis Only) No Recording of Live Stream  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
<b>Alarm Triggers</b>	
<b>Relay Output</b>	1, Normally Closed, 48VDC at 1 amp
<b>Input</b>	1, Isolated, 12 VDC / 24 VAC
<b>RS-485</b>	1, Integrates wired industrial sensors
<b>External Device Power Output</b>	5VDC out at 300mA
<b>Status Light</b>	Alarm Condition, Multi-Color, Programmable
<b>Speaker</b>	Alarm Condition, Pre-Recorded Files, Programmable WAV Files

1. Available with HALO Cloud only

2. Add-on option only available to HALO Cloud customers

3. Available in the HALO 3C-PC model only

4. Advanced analytics available with HALO Cloud

5. Requires a PoE+ (IEEE 802.3at Class 3 Compliance) port

6. Image display of sensor readings only



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# HALO CLOUD



HEALTH

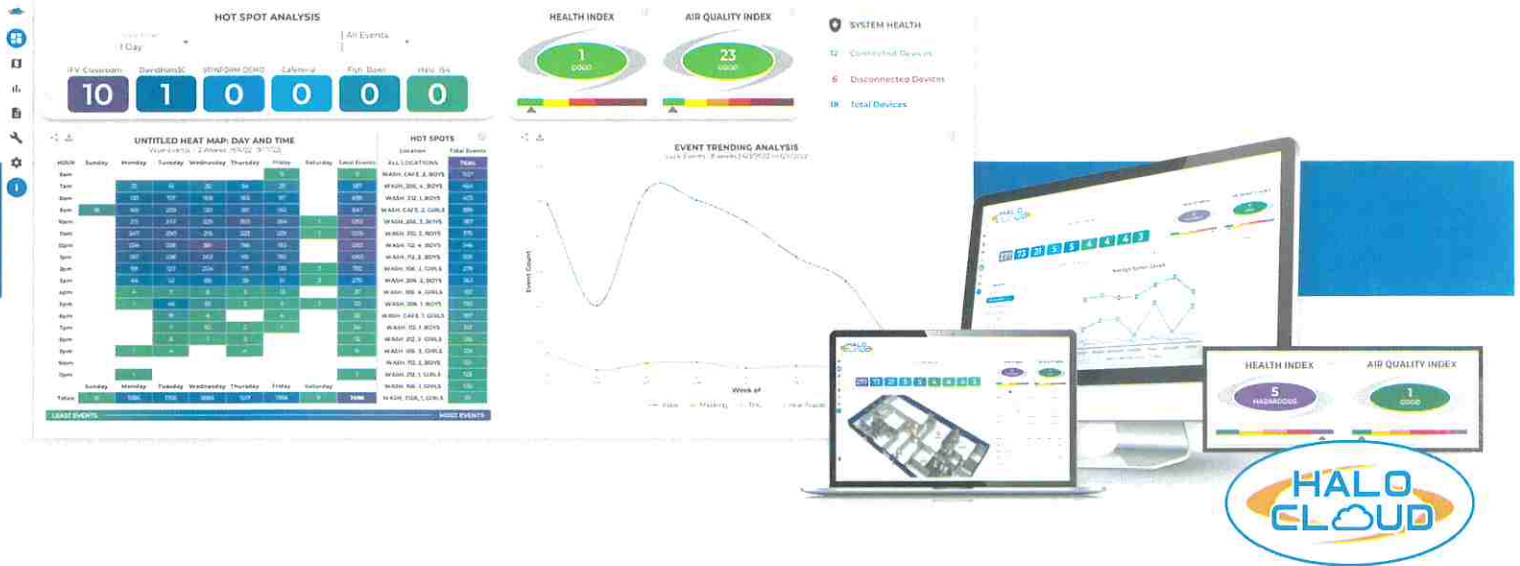


SAFETY



VAPE

HALO Cloud provides actionable intelligence by taking insight and awareness to new levels. Receive peace of mind by easily managing multiple devices, receive real-time Health Index and AQI alerts and reporting, and see alerts and historical data, allowing you to document your buildings' health status and trouble areas.



## DASHBOARD

View multiple HALOs displaying all events, current and historical, citing the type, time, and location of the event. Helps empower staff to provide an effective response to many monitoring points.

## LIVE VIEW MAP

Visual sensor readings and alarm conditions on an interactive map providing faster resource allocation and a shorter training curve.

## ANALYTICS

View multiple graphed sensor readings and events over time periods gaining insight into Security Threats and Air Quality trends. Improve resource efficiency.

## HEALTH

Monitor HALO's connection status reducing downtime and lowering risk.

## LOGGING

Log sensor readings automatically with capacity of 1 year of historical data. Satisfying compliance: FDA, CDC, local health department, board or customer requirements.

## REPORTS

Generate historical text and graphical data log reports to create tangible documentation that identify security and air quality trends.

## MAINTENANCE

Configuration & Firmware Update Automation and Management. Increased HALO management and setup efficiency.

## SECURE

No back door to AWS. 3rd party penetration audit.



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HEALTH



SAFETY



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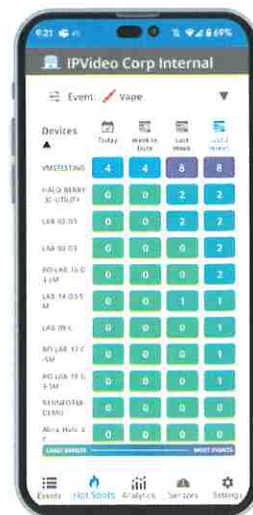
HALO Cloud App provides actionable intelligence by taking insight and awareness to new levels, now on your mobile device. Receive peace of mind by easily managing your building and HALO devices, even if you are not there, with push notifications.

The power of HALO Cloud now available at your fingertips.

### DASHBOARD

Health Index provides a real-time indication of the potential risk for the spread of airborne infectious disease in a building and is used to help reduce the spread of infection. Air Quality Index provides a rolling average of the quality of the air you are breathing over the course of a few hours.

The app also displays Hotspots, which are the most active HALO Smart Sensors and the number of events it has generated. HALO Cloud App provides a real time event list that includes the event type, device name, date and time for each triggered event.



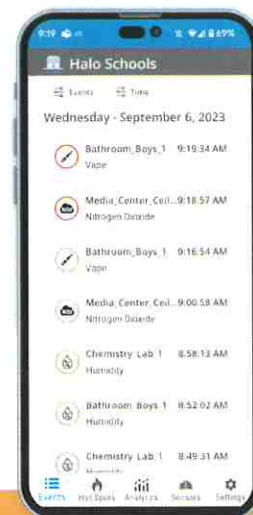
### PUSH NOTIFICATIONS

Have peace of mind when you're away from your building. When you enable push notifications, you can receive alerts from all your HALOs on your mobile device, just like you would on the desktop version.

- Panic Button Triggered - time and location information provided
- Two-Way Audio Communication Triggered - security has been notified
- Air Quality Index Triggered - CO2 levels are high

### EVENTS

The events will be listed in the order received and display the details of each event. Users with rights will be able to swipe events to acknowledge the events and remove from the event queue if necessary, and temporarily disable notifications for a selected device(s).



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