



HALO Smart Sensor is Patented.

## 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.



### DISEASE PREVENTION

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



### 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.



### VAPE AND MARIJUANA (THC) DETECTION

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



### CHEMICAL AND GAS DETECTION

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



### GUNSHOT DETECTION

Add an extra layer of protection with HALO. Identify gunshots and the location with two-factor authentication. This sensor is 3rd party certified.



### AGGRESSION DETECTION

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



### CUSTOM: VANDALISM & TRESPASSING ALERTS

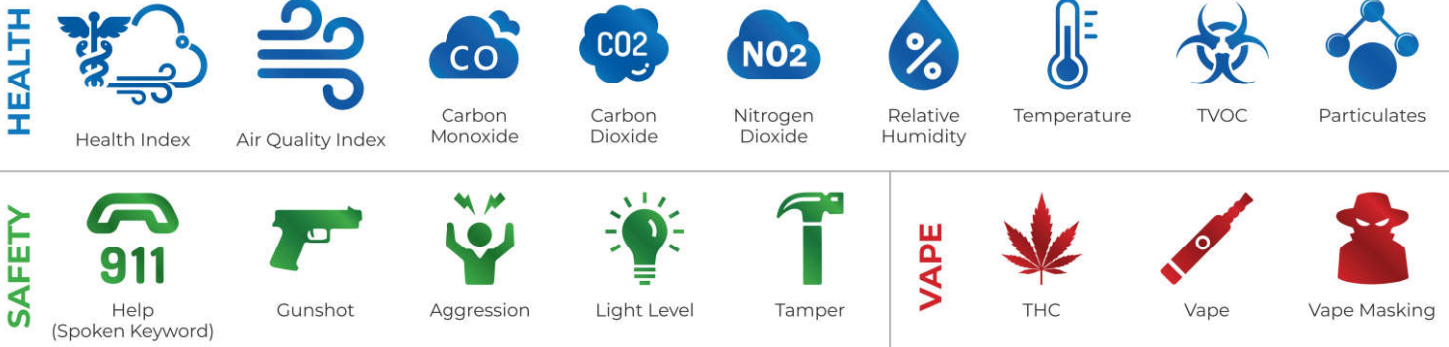
Receive notifications when lights or noise is detected in unauthorized areas and after hours.



### CUSTOM: MANAGE HVAC ENERGY COSTS

Monitor HVAC effectiveness and only use when rooms are occupied.

## Key Features



## General Specifications

|                       |  |
|-----------------------|--|
| Operating Temperature | 32°F - 122°F (0°C - 50°C)  |
| Operating Humidity    | 0 to 90% Relative Humidity (non-condensing)  |
| Power Supply          | PoE (IEEE 802.3af Class 3 Compliance) 9W   |
| Dimensions            | 5.75" x 3.08" (146mm x 78mm)   |
| Weight                | 0.8 lbs (0.365 kgs)  |
| Mounting Options      | Ceiling Flush Mount, Surface Mount (optional)  |
| Vandal                | IK10 rated, vandal proof housing with Tamper Alert   |
| Certifications        | UL, CUL, CE, RoHS, FCC, WEEE, California IoT Security 1798.91.04, C-Tick and CRM Compliant |

## Network Specifications

|                          |   |
|--------------------------|---|
| Ethernet                 | RJ-45 (10/100 Base-T)   |
| Alarm Triggers           | Air Quality Index (AQI), Health Index, Vape, Vape THC, Aggression, Gunshot, Spoken Key Word, Tamper, Particulates, Carbon Dioxide Equivalents, Total Volatile Organic Compounds, Carbon Monoxide, Ammonia, Temperature/Humidity, Light Level, Sound Levels, Building Health |
| Protocols                | BACnet, RTSP, TCP/IP, UDP, IPV4/V6, HTTP, HTTPS, DHCP, ARP, Bonjour, Wireless Connectivity  |
| Maximum User Connections | Live MJPEG Stream, 8 Users  |

## Interface Specifications

*\*Image display of sensor readings only.*

|                          |  |
|--------------------------|--|
| Live Display Resolution* | 1024 x 768   |
| Frame Rate*              | 1 FPS  |
| Audio                    | MEMS Microphones (2) [Audio Analysis Only] No Recording of Live Stream |
| Relays Outputs           | 2, Normally Open or Closed, 48VDC at 1 amp                             |
| Status Light             | Alarm Condition, Multi-Color, Programmable                             |
| Speaker                  | Alarm Condition, Pre-Recorded Files, Programmable WAV Files            |

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.



**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, Axxonsoft, Digifort, and many others!

**Other 3rd Party Integrations:** The Boring Lab, Presence Management, IdentifyED, Vigilance Software, Punch Alert, DIR-S, Extreme Network Defender, Aruba HPE, Connect One, AMT, Audio Enhancement, Gallagher, NuLEDs, Singlewire Informacast and many others!

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

**Emergency Key Words:** HALO supports multiple key words



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