



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.



### 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.



### HELP (SPOKEN KEY WORD)

Staff and customers can call for help using specific keywords. Whenever the keyword is said aloud, HALO will send notifications to those who have been designated to receive these alerts.



### AIR QUALITY MONITORING

Automate and ensure proper ventilation in each room with BACnet integration.



### VAPE AND MARIJUANA (THC) DETECTION

Identify vaping in privacy areas such as bathrooms, break rooms, and the sales floor.



### PREVENT SPREAD OF INFECTIOUS DISEASE

Ensure rooms have been cleaned and that air is properly filtered.



### 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

HEALTH



Health Index



Air Quality Index



Carbon Monoxide



Carbon Dioxide



Nitrogen Dioxide



Relative Humidity



Temperature



TVOC



Particulates

SAFETY



Help  
(Spoken Keyword)



Gunshot



Aggression



Light Level



Tamper

VAPE



THC



Vape



Vape Masking

## 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

Live Display Resolution*	1024 x 768	*Image display of sensor readings only.
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 Control, Nx Witness, Qognify, DW Spectrum IPVMS, Mirasys, Video Insight, EoCortex, Wisenet Wave VMS, Axxonsoft, Digifort, and many others!

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

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

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



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