HALO Smart Sensor 2C

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

HALO is a key component in the solution to providing a low-risk environment by monitoring Carbon Dioxide (CO_2), Particulate Concentrations, Humidity, Volatile Organic Compounds (VOC), and Nitrogen Dioxide (NO_2) 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.

CARBON DIOXIDE
Utilizes Carbon Dioxide calibrated sensor that is very specific and much more accurate when it comes to the CO2 level readings.

TEMPERATURE AND HUMIDITY
The Temperature and Humidity sensors are located on the outside very edge of the device, allowing more accurate readings of the temperature and humidity outside of the unit.

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.

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.
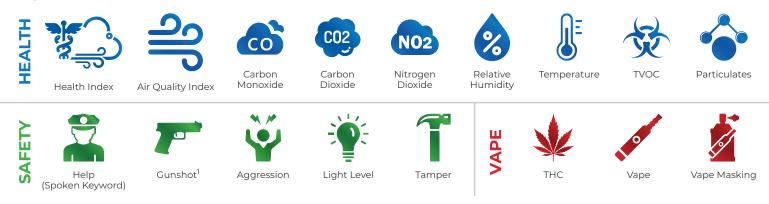
Key Features

HEALTH

Health Index	Air Quality Index	Carbon Monoxide	Carbon Dioxide	Nitrogen Dioxide	Relative Humidity	Temperature	TVOC	Particulates

SAFETY

Help (Spoken Keyword)	Gunshot[1]	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

Image display of sensor readings only.

Live Display Resolution[2]	1024 x 768
Frame Rate[2]	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

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 Keywords: HALO supports multiple keywords

LASER 1 — 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.

1. Advanced analytics available with HALO Cloud
2. Image display of sensor readings only

IPVIDEO
a Motorola Solutions Company

www.halodetect.com | info@ipvideocorp.com | 631-969-2601