HALO
SMART SENSOR

Air Quality Monitoring

Vape and THC Detection

Chemical and Gas Detection

Hands-Free Calls for Help

Vandalism and Trespassing Alerts

Disease Prevention with Health Index

Manage Energy Costs

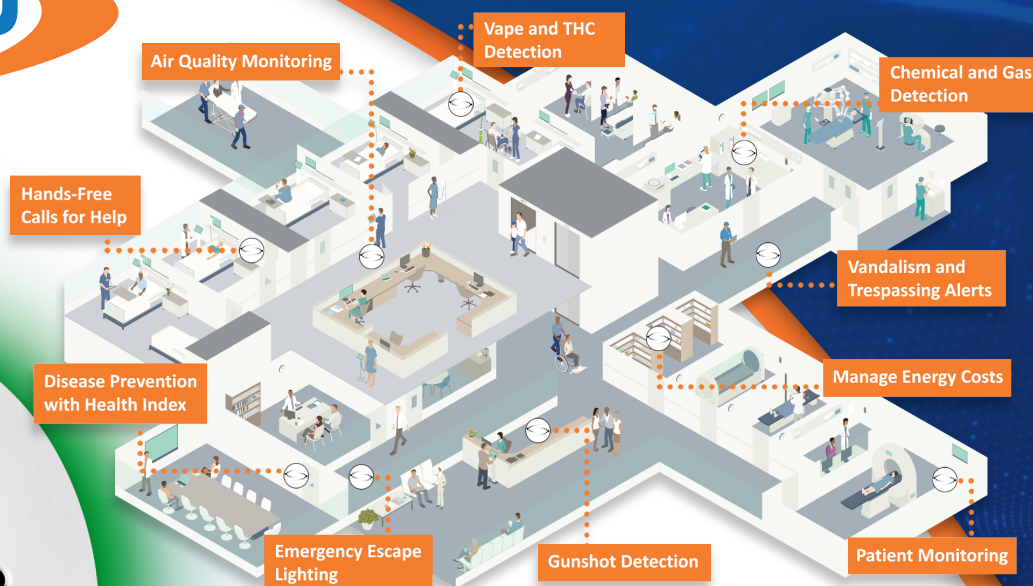Emergency Escape Lighting

Gunshot Detection

Patient Monitoring

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 (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 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.

AIR QUALITY MONITORING
See the average of the 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 patient rooms, 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.

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.

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

MOTION DETECTION
Receive trespassing alerts when movement is detected in unauthorized areas and after hours.

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

A+ TECHNOLOGY & SECURITY

Key Features

HEALTH

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

SAFETY

Help (Spoken Keyword) | Panic Button | Aggression | Two-Way Communication | Gunshot | Motion | Occupancy (People Counter) | Emergency Escape & Alert Lighting | Tamper

VAPE

THC | Vape | Vape Masking

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

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

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

Interface Specifications

Image display of sensor readings only.

Live Display Resolution*	1024 x 768, IFPS, Live MJPEG or H264, 8 Users maximum
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, Axxonsoft, Digifort, and many others!

Other 3rd Party Integrations: Reflow+ Metasys and OpenBlue, The Boring Lab, Presence Management, IDentifyED, 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 Key Words: HALO supports multiple key words