







# Help keep school healthy and safe.

**HALO Smart Sensors** are your all-in-one monitoring system for hazards to school health and security. It tracks air quality to combat infectious disease. Detects vape & THC, temperature, chemical detection, loud disturbances, and more.

HALO can alert staff through the web, video management systems, or building management tools. Plus, the HALO Cloud option\* lets you manage multiple HALOs at once to detect trends and generate reports for your whole facility.

- 
**AIR QUALITY MONITORING**
  - Detection of vaping and smoking
  - Detection of dangerous chemicals
  - Temperature and humidity
  - Monitoring of the room's Air Quality Index to warn when air quality reaches unhealthy levels
- 
**SOUND FREQUENCY MONITORING**
  - Detection of aggressive behavior
  - Detection of gunshots
  - Recognition of keywords that can be used to call for help
- 
**ALERTING**
  - Email or SMS text alerts
  - Monitoring the sanitizing of rooms
  - Detection of tampering
  - Alerts to Video Management & Access Control
  - Low voltage relay outputs
- 
**CHEMICAL DETECTION**
  - Volatile organic compounds (VOCs)
  - Whippets (Nitrous Oxide)
  - Hydrogen levels
  - Ammonia
  - Carbon Dioxide
  - Carbon Monoxide (CO<sub>2</sub>)
  - Nitrogen
  - THC
- 
**ROOM OCCUPANCY**
  - Light detection
- 
**HALO CLOUD DASHBOARD\***
  - Facility-wide trend analysis and reporting
  - Real-time and historical event monitoring

\*For additional fee. Contact your sales representative for more details.

# HALO Cloud:

## What Is HALO?

The HALO Smart Sensor is an IoT device that captures comprehensive health, safety, and vaping awareness. It is the #1 vape detector worldwide for vaping and vaping with THC detection. As of 2021, HALO has won over 50 awards and is in over 1,500 school districts throughout the country to help combat the vaping epidemic. The market for devices such as the HALO Smart Sensor is not only helpful for schools, but other markets as well such as healthcare, hospitality, commercial buildings, apartment complexes, assisted living, and more.

As part of the newest v2.5 software release, HALO provides both a real-time Air Quality and Health Index that sends alerts when either index falls into danger zones. In conjunction with HALO Cloud, the sensor also provides critical automated reports that allow building owners and administrators to demonstrate they are providing a healthy indoor environment and/or validate that facility improvement is needed.

The new 2.5 software features in HALO allow its users to capture comprehensive building awareness with an all-in-one device. Used for health and safety, HALO is a vape detector, an air quality monitor, and a complete security device for privacy areas where you do not want to use a camera or microphone. With a single device HALO provides Building Health Monitoring, Indoor Air Quality Monitoring, Vape Detection, THC Detection, Gunshot Detection, Emergency Key Word alerting, Audible alerting, Light/Occupancy alerting, Chemical alerting, VOC alerting, Tamper alerting as well as Temperature, Humidity and Pressure alerting.

Capture real-time comprehensive building safety and health awareness with the all-in-one HALO Smart Sensor 2C and the HALO Cloud Health Index.



## Alerting

### Receive real-time notifications and alerts

ALO is always monitoring each space 24/7, with zero delays in event notifications and alerts.

### Confidence Level

You have complete control of time to be notified of an incident.

### Notification Types

Choose how you would like to receive your notifications, via 3rd party integrations, SMS and/or email, or IO Trigger.

### Subscribers

Customize who is notified during different events and alerts. You can adjust each subscribers' notification schedule.

# HALO Cloud:

## Your all-in-one security sentinel.

Network all the HALO Smart Sensors on your premises with new HALO Cloud. This option\* gives you the power to manage and update multiple HALOs with a single keystroke, and receive facility-wide trend analyses and reports. It runs on a secured platform with AWS, and is tested against third-party penetration for added peace of mind.

### DASHBOARD

Receive real-time and historical encapsulation of events, citing the type, time, and location of each event.

### LIVE VIEW

Monitor sensor readings and alarm conditions mapped to locations within buildings.

### REPORTS

Create custom reports on demand. Generate historical text and graphical data log reports. View activity from one or more locations on a single report.

### ANALYTICS

View trends in sensor readings to gain insights into the causes of poor Indoor Air Quality or identify periods and locations of frequent security concerns.



### HEALTH

Monitor which HALOs have disconnected from the network, with the option of alerts when they are disconnected.

### LOGGING

Log up to one year of sensor readings. Ensure compliance with FDA, CDC, local health department or customer requirements.

### MAINTENANCE

**Configuration Management:** Access and configure HALOs from anywhere with proper authorization.

**Firmware Update Management:** Update HALO units en masse or auto-update on a schedule.

\*For additional fee. Contact your sales representative for more details.



## HALO 2C IOT Smart Sensor

When **SECURITY** and **AIR QUALITY** are of equal importance. The **HALO 2C** is used when energy management or building automation is a key factor for your facility – classrooms, commercial or common areas like break rooms or office space.

Item #2093106

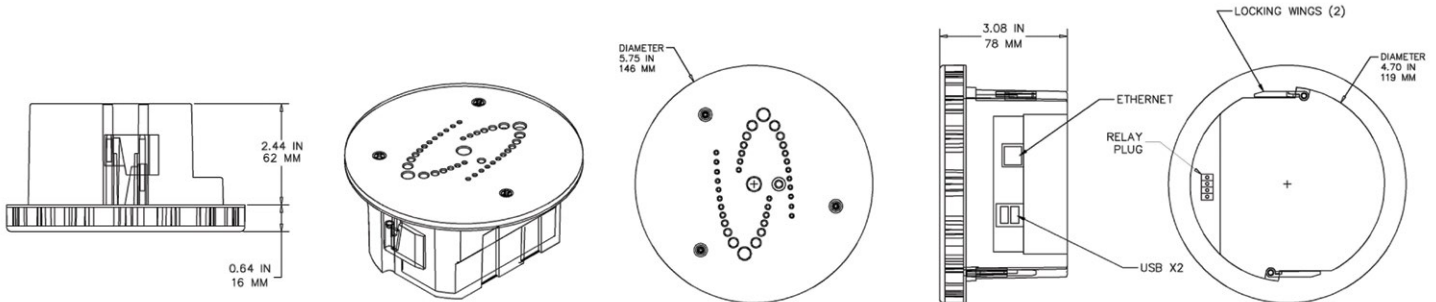
Contact your School Specialty Representative to confirm you're eligible for quantity pricing. No setup or reoccurring fees.

INTEGRATIONS	
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, many others
Additional Third-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, many others

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)
Vandalism	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

INTERFACE SPECIFICATIONS	
Live Image Resolution*	1024 x 768
Frame Rate*	1 FPS
Video Compression*	MJPEG, H.264
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 Flies, Programmable WAV Files
Languages	English, Spanish

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



Questions? Contact your School Specialty Sales Representative today.