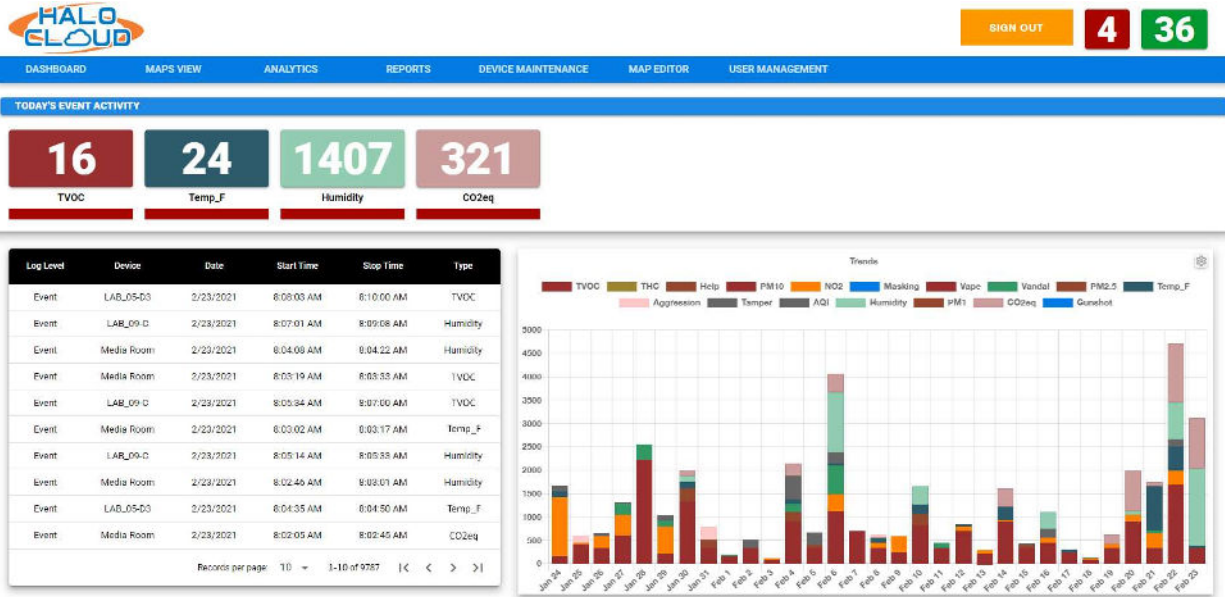




HALO Cloud is here! An optional choice for those who want to manage and update multiple HALOs with a single keystroke. If you are interested in facility wide trend analysis and reporting the HALO Cloud is for you!



DASHBOARD

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

MAINTENANCE

Configuration Management - Access and configure HALOs from anywhere with proper authorization.
Firmware Update Management - Update HALO units in mass or let them auto-update on a schedule.

Secured platform with AWS.

ANALYTICS

View trends in sensor readings to glean insight 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 to send alerts when they are disconnected.

LOGGING

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

3rd party penetration tested.





7 Reasons Why HALO is the #1 Vape Detector

1. SCHOOLS SAY SO! With positive testimonials from schools around the globe, HALO has been helping schools identify and stop the vaping epidemic in their school. More importantly, schools have been using HALO to educate students on the dangers of vaping and make them healthier for it. [Hear from the schools directly!](#)

2. HALO IS AN OPEN PLATFORM! Direct integrations with other systems that you are already likely using every day. Integration with your video surveillance camera system can save you time and headaches. As alarm events from HALO are communicated, your camera system can enable camera recording, enhance frame rate and resolution, move PTZ Cameras, and bookmark video so that a single click can bring you to the right camera(s) at the right time. You will know who was in the area during a HALO event, which means no more time-consuming searches. Unlike others who have closed systems, HALO is built on open architecture, enabling integration partnerships with other industry-leading product manufacturers and can work with anyone who allows it. HALO is already integrated with the largest security manufacturers around the globe such as Genetec, Avigilon, Milestone, Panasonic, Axis, Hanwha, and many others. [See some of our Integrations here.](#)

3. HALO IS ALWAYS ON! As a 25-year-old security manufacturer, we take safety and health very seriously. With this in mind, we made the conscious decision to go POE instead of battery so HALO will always be on with the network! We never want to risk batteries dying, especially with district-wide deployments. Another decision we made was to NOT offer dummy units. Dummy or decoy devices may cause an expectation of security or safety under false pretense that might induce risks we think our customers should avoid. [See our product spec sheet here.](#)



4. HALO IS CONSTANTLY EVOLVING! We are up against a billion-dollar industry and the resourcefulness of youth, both of which are trying to defeat vaping detection devices. Nobody wants to invest in a vape detector that will be out of date and useless soon after purchasing. This is why our engineering team is always testing the latest products on the market to capture the chemical signatures and develop readings and alerts for them. It was during these testing periods that the HALO team identified specific signatures for Masking. Masking is when someone tries to cover up their vaping activity by spraying concurrent aerosol sprays, such as air fresheners or body deodorant. Our team can pull out each signature and identify the cover-up attempt. [View an animated overview of schools using HALO here!](#)

5. HALO PROVIDES HEALTH AND AIR QUALITY ALERTING! We are working together to address health and safety in schools to minimize negative environmental impact on respiratory health, mental clarity and focus, sick building syndrome, and the spread of airborne infectious diseases. As an all-in-one device, schools get these additional health benefits and can utilize the same email, text, or system alerts, utilize the device's LED lighting alert, or communicate directly with HVAC systems via integration with BACnet to make changes without classroom, teacher, or facility intervention. [See a video on HALO's air quality features for the classroom!](#)

6. QUALIFIES FOR MULTIPLE FUNDING SOURCES! Due to its multi-purpose use, HALO purchases can qualify for multiple funding sources. HALO falls under category grants for school safety, school health, and school air quality. Through fundraisers, new construction bonds, federal and state security bonds, the CARES Act, or class action lawsuits, schools have many options to assist with the purchase of HALO. The value of HALO also quickly gains the support of the school boards and parents in the community who all want the best health and safety for students.



7. MORE VALUE FOR SCHOOL BUDGETS! We all want the youth vaping problem to end! Collectively, we hope this is a short-term problem and we don't want to see school resources wasted on short-term solutions. HALO was built as a safety and health device first and vape detection was a benefit of its multi-sensor readings. Schools who are installing HALO are getting long-term benefits including:

- **Vape/THC/Marijuana/Cigarette Detection**
Alerts to anyone vaping in location.
- **Air Quality Monitoring/Airborne Sickness Prevention**
Alerts to unhealthy air conditions and those that are likely to spread airborne disease pathogens.
- **Vandalism/Fighting Audio Detection**
Alerts to abnormal loud noises like breaking items and yelling.
- **Emergency/Bullying Key Word Alerting**
Person in distress says a key word alerting security and triggering a response to diffuse the situation and notify that help is on way.
- **CO2 classroom monitoring**
Alerts to rising CO2 levels that lead to inattentiveness, lethargy, and respiratory issues like asthma.
- **Occupancy/Trespassing Alerting**
Captures sound and lighting to alert the presence of trespassers.
- **Energy Management**
Control heating and AC based on occupancy and need.
- **HVAC filtering monitoring**
Identify when filters need to be replaced/cleaned based on particulates they are allowing to escape, protect air quality, and maximize the length of HVAC system.
- **Chemical and Cleaning Agent Detection**
Know when facilities have been cleaned or when any harmful chemical has been released in an art or science lab, storage room, bus depot, etc.
- **Gun Shot Detection**
Alerts to a gunshot.

[Click here to meet HALO the #1 Vape Detector!](#)



Capture Comprehensive Health & Safety Awareness for your School Environment with HALO Smart Sensor, our all-in-one Security and Health device.



HALO Smart Sensor is Patented.

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.

Vape and THC Detection

Identify vaping or smoking in bathrooms and locker rooms.

Air Quality Monitoring

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

Disease Prevention with Health Index

Prevent the spread of infectious disease, ensure rooms have been cleaned, and the air is properly filtered.

Aggression Detection and Calls for Help

Students and staff can call for help using specific keywords. Get notified of fights and bullying in bathrooms and locker rooms.

Vandalism and Trespassing Alerts

Receive notifications when lights or noises are detected after hours or in unauthorized areas.

Gunshot Detection

Identify gunshots and locations with two-factor authentication. Third-party certified.

Chemical and Gas Detection

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



HEALTH

- Health Index • Air Quality Index
 - Carbon Monoxide
 - Carbon Dioxide • Humidity
 - Volatile Organic Compounds
 - Nitrogen Dioxide • Pressure
 - Temperature • Particulates



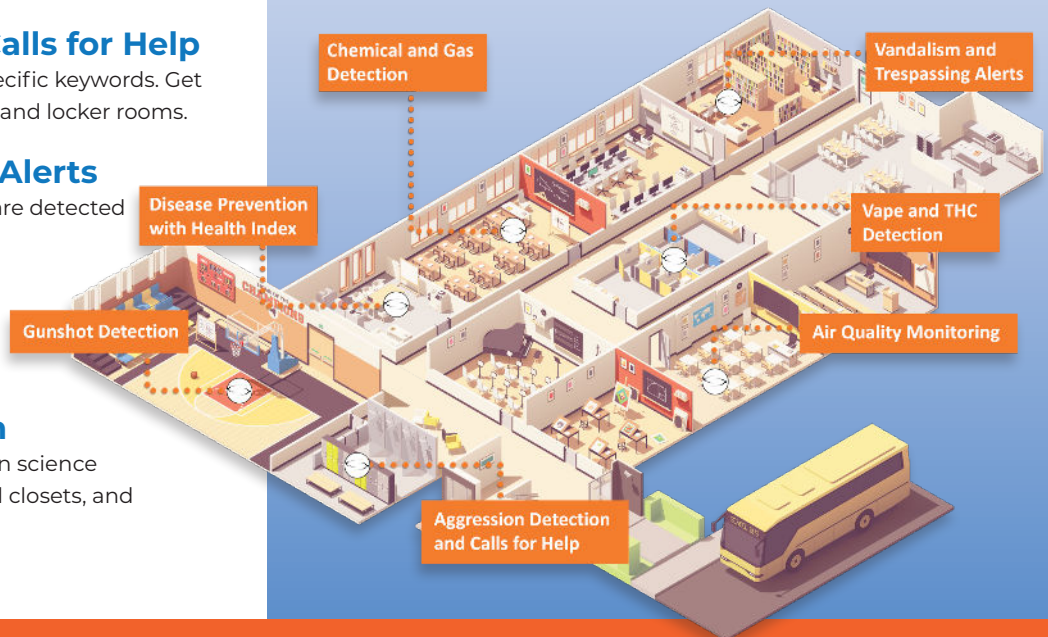
SAFETY

- Spoken Key Word Alerting
 - Gunshot Detection
 - Abnormal Noise Level Detection • Bullying • Tamper
 - Aggression • Excessive Banging • Light Sensitivity



SMOKING

- Vape • THC • Vape Masking



Key Features

HEALTH



Health Index



Air Quality Index



Carbon Monoxide



Carbon Dioxide



Nitrogen Dioxide



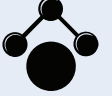
Humidity



Temperature



TVOC



Particulates

SAFETY



Help
(Spoken Key Word)



Gunshot



Aggression



Light Level



Tamper

SMOKING



THC



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* 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 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, IDentifyED, 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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