



REMOTE TECHS

K12 EDUCATION



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.



VAPE AND MARIJUANA (THC) DETECTION

The vape epidemic has been skyrocketing among students in recent years. HALO can identify vaping in privacy areas such as bathrooms, locker rooms, dorm rooms, and faculty rooms.



AIR QUALITY MONITORING

With poor air quality, a student's learning environment is compromised, leading to inattentiveness and lost productivity. Automate and ensure proper ventilation in each room with BACnet integration.



GUNSHOT DETECTION

School shootings are happening more often than you think. By placing HALO throughout your school, you can identify gunshots and the location with two-factor authentication. 3rd party certified.



CUSTOM: VANDALISM & TRESPASSING ALERTS

Receive notifications when lights or noise is detected in unauthorized areas and after hours.



AGGRESSION DETECTION

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



PREVENT SPREAD OF DISEASE

Some infectious diseases are often spread through the air with high CO₂ levels. Ensure rooms have been cleaned and that air is properly filtered.



CHEMICAL AND GAS DETECTION

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



CUSTOM: MANAGE HVAC ENERGY COSTS

Create custom alarms to monitor HVAC effectiveness and only use when rooms are occupied.



REMOTE TECHS

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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

**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