HALO
SMART SENSOR

Chemical and Gas Detection

Vandalism and Trespassing Alerts

Disease Prevention with Health Index

Vape and THC Detection

Gunshot Detection

Air Quality Monitoring

Aggression Detection and Calls for Help

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.

HALO Smart Sensor is Patented.

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.

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.

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.

PREVENT SPREAD OF DISEASE
Some infectious diseases are often spread through the air with high CO_2 levels. Ensure rooms have been cleaned and that air is properly filtered.

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.

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

CUSTOM: VANDALISM & TRESPASSING ALERTS
Receive notifications when lights or noise is detected in unauthorized areas and after hours.

CUSTOM: MANAGE HVAC ENERGY COSTS
Create custom alarms to monitor HVAC effectiveness and only use when rooms are occupied.

IPVIDEO
a Motorola Solutions Company

ERS Wireless | info@erswireless.com | 800-475-3320

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

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

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.

HALO CLOUD

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