



HALO SMART SENSOR

VAPE & THC DETECTION

AIR QUALITY & ENVIRONMENTAL MONITORING

CHEMICAL DETECTION

PRIVACY AREA SECURITY

KEY WORD ALERTING | GUNSHOT DETECTION | AGGRESSION & LOUD DISTURBANCES

The award-winning product, HALO IOT Smart Sensor, has been helping schools across the globe combat the vaping epidemic. With its new spoken key word and gunshot detection features, HALO is expanding across industries as the preferred security solution for privacy areas where you cannot have a video camera or record conversations.

HALO detects environmental changes that occur in these privacy concern areas and as a device on the network, it sends email, text and security platform alerts to designated security personnel. HALO can detect flammables, hazardous chemicals, air quality changes such as vaping and smoking and changes in temperature and humidity. HALO can also detect noise level fluctuations and can send alerts when unusual activity occurs such as a gunshot or aggressive behavior like fighting.

With its key word detection, a daughter in her dorm room, a hotel housekeeper, a patient in duress, a student in a hazing incident or an elderly parent living by themselves can alert security to an attack or emergency in real time.

HALO will also analyze room occupancy through light detection in addition to monitoring temperature, humidity, pressure and air quality. HALO includes a built-in tamper detection alert.

There is no more excuse for the thousands of security incidents that occur each year in privacy areas, get the protection of HALO!



HALO IOT Smart Sensor - Patent Pending



Audio Analytics

- Spoken Key Word Alerting
- Abnormal Noise Level Detection
- Gunshot Detection
- Shouting
- Excessive Banging
- Occupancy
- Bullying



Chemical

- Ammonia
- Carbon Monoxide
- Carbon Dioxide
- Nitrogen Dioxide



Environmental

- Temperature
- Humidity
- Tamper
- Pressure



Air Quality

- Vape
- THC
- Smoke
- Formaldehyde
- Benzene
- Volatile Organic Compounds (VOCs)



Light

- Occupancy
- Level

Alerting

- Email or SMS text alerts
- Alerts to Video Management & Access Control
- 3rd party emergency applications
- Low voltage relay outputs
- Cloud mapping alerts

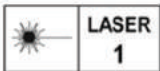
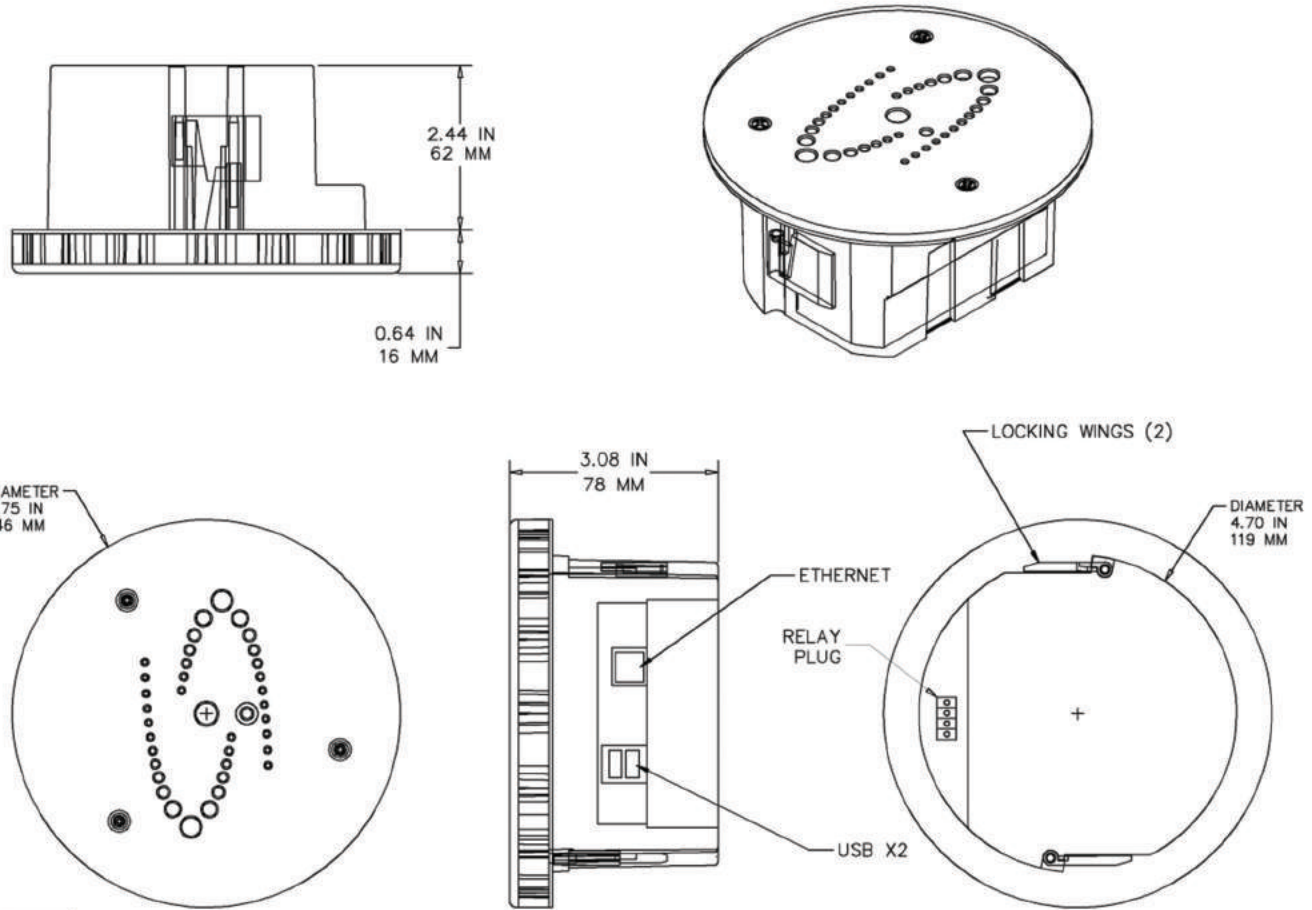


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General Specifications

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



HALO IOT Smart Sensor contains a Class 1 Laser Product.

Interface Specifications

Live Display Resolution*	1024 x 768	<i>*Image display of sensor readings only.</i>
Frame Rate*	1 FPS	
Video Compression*	MJPEG	
Audio	MEMS Microphones (2) [Audio Analysis Only] No Recording of Live Stream	
Relays Outputs	2, Normally Open or Closed, 48VDC at 1 amp	
VMS Integrations	Milestone, Genetec, Video Insight, ExacQ Vision, Nx Witness, Wisenet Wave VMS, Luxriot Evo, DW Spectrum IPVMS, Ganz Control, Mirasys, Digifort, EoCortex, Cathexis Vision, Qognify and many others	
Other 3rd Party Integrations	Maxxess, Open Options, Vigilance Software, NULeds, Aruba HPE, PunchAlert, IdentifyED, Presence Management, Extreme Network Defender, Gallagher and many others	
Status Light	Alarm Condition, Multi-Color, Programmable	
Speaker	Alarm Condition, Pre-Recorded Files, Programmable	

Network Specifications

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

***All information is subject to change without notice.*



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