VAPE & THC DETECTION
AIR QUALITY & ENVIRONMENTAL MONITORING
CHEMICAL DETECTION
PRIVACY AREA SECURITY

KEY WORD ALERTING  |  GUNSHOT DETECTION  |  AGGRESSION & LOUD DISTURBANCES

The award-winning HALO Smart Sensor is expanding across industries as the preferred security solutions for privacy areas, where you can’t place a camera or record conversations, with its new spoken key word, gunshot detection and Air Quality Index (AQI) features.

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.

HALO’s Air Quality Index (AQI) will alert when air quality levels fall in the danger zone for spreading disease, reducing the spread of virus particulates and regularly monitoring to align with industry and government standards.

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

Air Quality
- Vape
- THC
- Smoke
- Formaldehyde
- Benzene
- Air Quality Index (AQI)
- Volatile Organic Compounds (VOCs)

Chemical
- Ammonia
- Carbon Monoxide
- Carbon Dioxide
- Nitrogen Dioxide

Environmental
- Temperature
- Humidity
- Tamper
- Pressure
- Occupancy
- Light Sensitivity

*HALO IOT Smart Sensor - Patent Pending*

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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>32°F - 122°F (0°C - 50°C)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0 to 90% Relative Humidity (non-condensing)</td>
</tr>
<tr>
<td>Power Supply</td>
<td>PoE (IEEE 802.3af Class 3 Compliance) 9W</td>
</tr>
<tr>
<td>Dimensions</td>
<td>5.75&quot; x 3.08&quot; (146mm x 78mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.8 lbs (0.365 kgs)</td>
</tr>
<tr>
<td>Mounting Options</td>
<td>Ceiling Flush Mount, Surface Mount (optional)</td>
</tr>
<tr>
<td>Vandal</td>
<td>IK10 rated, vandal proof housing with Tamper Alert</td>
</tr>
<tr>
<td>Certifications</td>
<td>UL, CUL, CE, RoHS, FCC, WEEE, California IoT Security 1798.91.04</td>
</tr>
</tbody>
</table>

### Interface Specifications

- **Live Display Resolution**: 1024 x 768
- **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, Avigilon, ExacqVision, Vivotek, Pelco, Ganz Control, Nv Witness, Qognify, DW Spectrum IP VMS, Mirasys, VideoInsight, EoCortex, Wisenet Wave VMS, Axxonsoft, Digifort
- **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**: 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

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HALO IOT Smart Sensor contains a Class 1 Laser Product.

*Image display of sensor readings only.*

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