Initially intended for schools to combat the vaping and school shooting epidemics, HALO IOT Smart Sensor has now expanded across industries. The HALO detects environmental changes that occur in privacy concern areas. As a device on the network, it will send alerts to security personnel.

With HALO, designated personnel will be alerted when environmental changes occur in typically unsupervised areas. 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. HALO will also analyze room occupancy through light detection. HALO includes a built-in tamper detection alert.

Utilizing the latest in smart technology, HALO adds a layer of security in places not covered by traditional surveillance cameras.

With HALO, security staff can now monitor areas where cameras are not allowed. Staff can get these alerts through the web or traditional burglar, video management systems, access control or building management tools.

Audio Analytics
- Abnormal Noise Level Detection
- Coming Soon
  - Gunshot Detection
  - Glass Break
  - Shouting
  - Excessive Banging
  - Occupancy

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
- Low voltage relay outputs

*HALO IOT Smart Sensor - Patent Pending*
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
- 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, Panasonic Video Insight, ExacQ Vision, Nx Witness, Hanwha Wave VMS, Luxriot Evo, DW Spectrum IPVMS, Ganz Control, Mirasys
- Other 3rd Party Integrations: Maxxess, Open Options, Vigilance, NUleds, Aruba HPE, PunchAlert
- 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
- Protocols: TCP/IP, UDP, IPv4/IPv6, HTTP, HTTPS, RTP, RTSP, DHCP, ARP, Bonjour
- Maximum Users Connections: Live MJPEG Stream, 8 Users

*Image display of sensor readings only.

**All information is subject to change without notice.