



HALO

SMART SENSOR

SOUND DETECTION

AIR QUALITY MONITORING

CHEMICAL DETECTION

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.



HALO IOT Smart Sensor - Patent Pending

Air Quality Monitoring

- Detection of vaping and smoking
- Detection of dangerous chemicals
- Temperature and humidity

Room Occupancy

- Light detection

Sound Frequency Monitoring

- Detection of aggressive behavior
- Detection of gunshots(optional)

Chemical Detection

- Whippets (Nitrous Oxide)
- Ethanol, Propanol and Hydrogen levels
- Ammonia
- Total volatile organic compounds (glue solvents)
- Carbon Dioxide
- Carbon Monoxide

Alerting

- Email or SMS text alerts
- Alerts to Video Management & Access Control
- Low voltage relay outputs

Other Features

- Flush mounting to ceilings
- Unit is 5 3/4" diameter by 3" deep
- PoE connectivity

IPVideo Corporation's HALO IOT Smart Sensor And Vape Detector Wins 2019 Campus Safety BEST Awards

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IPVideo Corporation, globally renowned manufacturer of audio/video recording, passive weapons detection systems and IOT sensor technology, was selected as a 2019 Campus Safety Best BEST Award winner in two categories- Emergency Communication Safety and Security Applications and Inspection and Detection Equipment for their HALO IOT Smart Sensor.

HALO IOT Smart Sensor



HALOs have been installed in school bathrooms and locker rooms across the country in K-12 institutions

The HALO IOT Smart Sensor has taken off this year in response to the nationwide youth vaping epidemic. It is the only product to detect vaping with Nicotine or Marijuana (THC oil). HALOs have been installed in school bathrooms and locker rooms across the country in K-12 institutions and is moving into college dormitories. In addition to vape and smoke detection, HALO has several safety features including abnormal sound detection, chemical detection and air quality monitoring.

Campus Safety Magazine and Campus Safety Conference recognized the HALO IOT Smart Sensor as an outstanding campus security product in two categories: Emergency Communication Systems and Inspection and Detection Equipment. The award was presented at the Campus Safety Conference East, in Charlotte, North Carolina.

Campus Safety

“We are very proud of this award and the recognition of the Campus Safety judging panel for recognizing the game changing nature of HALO” states David Antar, President of IP Video Corporation who received the award.

He adds, *“HALO is the missing piece for campus environments as it provides security for bathrooms, locker rooms, patient rooms and dorm rooms where you cannot put a camera. For areas that have camera visibility, the real time integrated alerts provide campus security with the other missing senses of smell and hearing in those environments.”*

Security and safety solutions

The 2019 Campus Safety BEST Awards recognize superlative security, law enforcement, emergency management and safety solutions for K-12 campuses, institutions of higher education and healthcare organizations. All entries were judged on all aspects involved such as innovation, functionality, competitive advantages, benefits to the installer or monitoring provider, and benefits to the end user.

"Campus Safety Magazine takes pride in focusing on content that helps protection professionals in the healthcare and education markets keep their students, teachers, patients, visitors, and campuses safe and secure," says Robin Hattersley Gray, executive editor of Campus Safety.

IoT sensing technology



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"This has been a tremendous year for the HALO product and all of its award recognition as an industry transforming product." IPVideo Corporation Vice President of Sales and Marketing, Rick Cadiz stated about HALO. *"However, the real win for us is the customer feedback we are hearing; including putting an end to youth vaping inside schools and aiding security teams in preventing dangerous events from escalating."*

HALO IOT Smart Sensor has the unique ability to provide instant IoT sensing to event-based triggers and provide security in campus privacy concern areas where traditional security cameras and solutions are not practical.

Event driven analytics

HALO uses multiple sensors together in a single intelligent platform to learn, analyze and create event alerts. We follow the adage that in the world of safety 'time equals life'. HALO uses real-time event driven analytics to respond while an event is happening, greatly reducing damage to property and loss of life.

HALO has advanced audio analytics to detect sound abnormalities like glass breaking, yelling and gunshots. The air quality sensors measure things like carbon monoxide, carbon dioxide, chemicals such as ammonia and oxidizers as well as gas leaks. HALO's light detection sensors are utilized for

room occupancy. These are coupled with built in temperature and humidity sensors.

Integration with POE lighting

The additional integration with POE lighting provides unique safety measures like providing emergency directional lighting for the hearing impaired. HALO goes to a whole new level as a campus security solution by providing advanced warning related to health issues including air quality, vape or smoke detection.