

Kenyon County School District | It's about ALL kids.

## Issue Paper

**DATE:**

March 24, 2023

**AGENDA ITEM (ACTION ITEM):**

Consider/Approve the installation of the HALO Smart Sensor 2C, all-in-one health, safety, & vape device in the bathrooms at Dixie Heights.

**APPLICABLE BOARD POLICY:**

05.11 Alteration of School Grounds/Building

**HISTORY/BACKGROUND:**

Dixie Heights is taking several initiatives to combat the increased use of nicotine vaping products amongst high school aged children. On March 13th, Dixie Heights hosted a parent information night on the dangers of vaping for children. After that meeting we reached out to a community member and local business owner who had installed these devices in other area schools. After meeting with Structured technology and based on the success these devices have had at other schools, we inquired about a trial. Because of the connection to the community, Structured Technology has agreed to donate the devices and installation.

**FISCAL/BUDGETARY IMPACT:**

No Cost. Structured Technology has agreed to donate the devices and installation.

**RECOMMENDATION:**

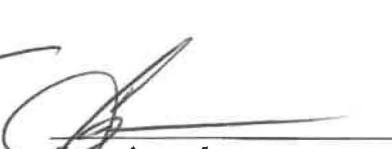
Approval to allow the installation of the HALO Smart Sensor 2C, all-in-one health, safety, & vape device in the bathrooms at Dixie Heights.

**CONTACT PERSON:**

Roddy Stainforth

  
Principal/Administrator

  
District Administrator

  
Superintendent

Use this form to submit your request to the Superintendent for items to be added to the Board Meeting Agenda.  
Principal –complete, print, sign and send to your Director. Director –if approved, sign and put in the Superintendent's mailbox.

# HALO

SMART SENSOR

HALO SMART SENSOR 2C

## HALO Smart Sensor 2C

our all-in-one health, safety & vape device.

**HALO** is a key component in the solution to providing a low-risk environment by monitoring Carbon Dioxide (CO2), Particulate Concentrations, Humidity, Volatile Organic Compounds (VOC), and Nitrogen Dioxide (NO2) 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 Multi-Patented and Design is Trademarked



### DISEASE PREVENTION

Ensure your staff is safe from airborne diseases, prevent the spread of infectious disease, ensure rooms have been cleaned, and the air is properly filtered.



### CARBON DIOXIDE

Utilizes Carbon Dioxide calibrated sensor that is very specific and much more accurate when it comes to the CO2 level readings.



### GUNSHOT DETECTION

Add an extra layer of protection with HALO. Identify gunshots and the location with two-factor authentication. This sensor is 3rd party certified.



### CUSTOM: VANDALISM & TRESPASSING ALERTS

Receive notifications when lights or noise is detected in unauthorized areas and after hours.



### AIR QUALITY MONITORING

See the average quality of the air you are breathing over the course of a few hours. Automate and ensure proper ventilation in each room with BACnet integration.



### TEMPERATURE AND HUMIDITY

The Temperature and Humidity sensors are located on the outside very edge of the device, allowing more accurate readings of the temperature and humidity outside of the unit.



### AGGRESSION DETECTION

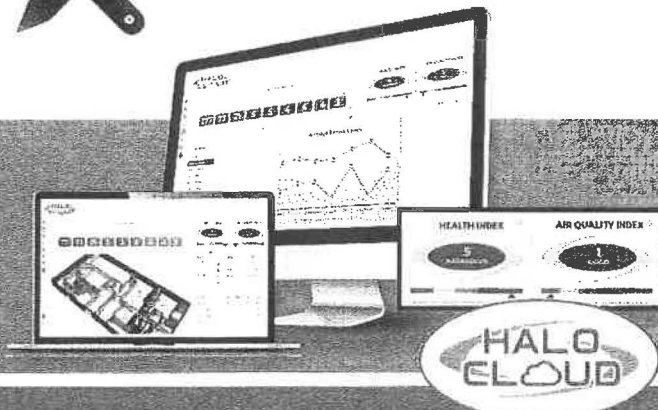
Protect your staff and customers. With HALO you are able to detect fights and loud noises in usually quiet areas.



### CUSTOM: MANAGE HVAC ENERGY COSTS

Monitor HVAC effectiveness and only use when rooms are occupied.

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.



IPVIDEO

www.halodetect.com | info@ipvideocorp.com | 631-969-2601

## Key Features

### HEALTH



Health Index



Air Quality Index



Carbon Monoxide



Carbon Dioxide



Nitrogen Dioxide



Relative Humidity



Temperature



TVOC



Particulates

### SAFETY



Help  
(Spoken Keyword)



Gunshot



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/IPv6, HTTP, HTTPS, DHCP, ARP, Bonjour, Wireless Connectivity
Maximum User Connections	Live MJPEG Stream, 8 Users

## Interface Specifications

*\*Image display of sensor readings only.*

Live Display Resolution*	1024 x 768
Frame Rate*	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

**VMS Integrations:** Milestone, Genetec, Avigilon, ExacQ Vision, Rhombus Systems, Arcules, Vivotek, Pelco, Ganz Control, Nx Witness, Cognify, DW Spectrum IPVMS, Mirasys, Video Insight, EoCortex, Wisenet Wave VMS, Axsonsoft, 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 Key Words:** HALO supports multiple key words



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