Alliant Integrators, Inc.

To: Dawson Springs Independent Schools	**Document ID:** AIIQ12492
Attn: Spencer Spratt	**Date:** 02/14/20
317 Eli St.	**Terms:** Net 30
Dawson Springs, KY 42408	**Sales Tax:** Not Included
	FOB: Job Site
Phone: 270-797-2991 **Fax:**	**Expires:** 45 Days

Introduction:
Dawson Springs Ind. Schools - Camera Addition & Vape Detection

Qty	Manufacturer	Part Number	Description
			Camera Equipment & Materials
1	Panasonic (Video Insight)	NVR-R-1-1-48TB	Video Insight - Dell R540, Single Xeon Bronze 3104 Processor, 16GB RAM, Windows 2016 Server STD, OS 2X1TB HDD (RAID1), Storage 48TB (RAID5) DVD-RW Drive, Keyboard & Mouse, No Audio, No Rails, 3 Year Hardware Limited Warranty
55	Panasonic-VI	A-46-FW	4MP Wide Angle Lens
7	Panasonic-VI	A-MD-WM	Wall Mount for A-46-FW
1	Panasonic-VI	A-427-V	Multi-Lens IP Camera
1	Panasonic-VI	A-MLT-CAP	Metal Cap for A-427-V
1	Panasonic-VI	A-200-CNR	Corner Mount for A-427-V
1	Panasonic/VI	A-88-V	(Advidia) Bullet Camera, 4K, 8MP
2	Ortronics	ORPHAHJU48	48 Port Modular Patch Pannel, Angled
57	Ortronics	OR4HDJ6A	CAT 6A Jack, Fog White
57	Ortronics	OR404HDJ2	2 Port Surface Mount Box
57	Ortronics	ORMC6A05-09	CAT 6A Patch Cords, 5', White
6	Supperior Essex	6H-272-4A	CAT 6A, White
1	Alliant	Misc Material	Misc Installation Material

Labor
Alliant Integrators, Inc. shall:
* Perform a pre-installation walk thru with the owner
* Pull Camera Cable to the nearest MDF or IDF
* Mount & Focus Cameras in locations per the drawing
* Perform final connections, programming, and testing
* Integrate the cameras into the VideoInight NVR
* Provide training to the owner.

SubTotal   **$52,701.33**

Qty	Manufacturer	Part Number	Description
			Vape Detection Equipment & Materials
6	IPVideo Corp.	Halo-V2.00	Halo Multi IoT Sensor
12	Ortronics	ORHDJ6	CAT6 Jack
6	Ortronics	OR404HDJ2	2 Port Surface Mount Box
12	Quiktron	576-125-005	CAT6 5ft Patch Cable, White
2	Supperior Essex	77-240-4A	CAT6 Riser, White

Qty	Manufacturer	Part Number	Description
1	Alliant	Misc Material	Misc Installation Material
			Labor
1	Scope	Of Work	Alliant Integrators, Inc. shall: * Perform a pre-installation walk thru with the owner * Pull Detector Cable to the nearest MDF or IDF * Install (6) Halo Detectors in 6 bathrooms designated by owner. * Program initial settings and allow the HALO Detector to acclimate to the area's environment for 24 hours. * Remotely review the HALO Detector's logs after 24 hours and adjust the PPM thresholds to match the conditions of the area. * Provide training to the owner.

	SubTotal	**$11,496.90**
	Grand Total:	**$64,198.23**

Dawson Springs Ind. Schools Shall:
* Supply IP addresses and open PoE ports for all cameras and vape detectors.
* Provide remote access to the HALO Detector.

Clarifications:
* No tax is included with this proposal
* Alliant Integrators, Inc. is a member of the Kentucky Purchasing Co-op.(#10100143)

Clarifications for Vape Detectors:
*The HALO Detector can typically cover 144 square feet(12'x12') with a normal ceiling height of 8' in areas free of air currents and significant background noise or vibration.
* Ceiling heigt details...8.5'
* The HALO Detector was purposely designed to look similar to a smoke detector in order to mask its function as a vape detection tool. HALO is an effective tool to detect vape but will have obvious limitations if a person uses some physical methods to obscure their vaping. Filtering through clothing, opening of windows, etc. can lower the levels of chemicals reaching its sensors.

Thank you for this opportunity to be of service and do not hesitate to contact me if you have questions.

Larry Adair
ladair@alliantintegrators.com

HALO SMART SENSOR

VAPE DETECTION
CHEMICAL DETECTION
AIR QUALITY MONITORING
SOUND DETECTION

Alliant Integrators, Inc.

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)
• 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 ¾" diameter by 3" deep
• PoE connectivity

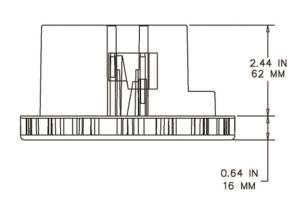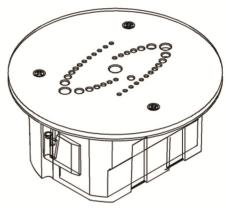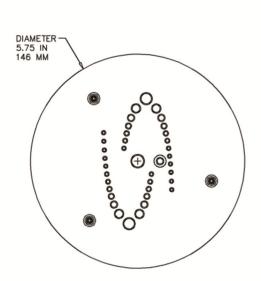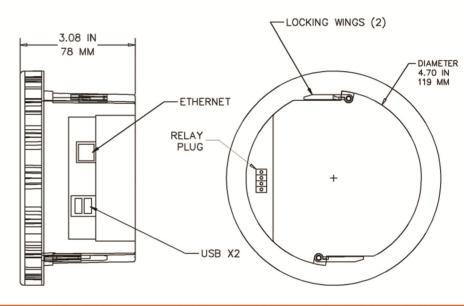|	
Operating Temperature	32°F - 122°F (0°C - 50°C)
Operating Humidity	0 to 90% Relative Humidity (non-condensing)
Power Supply	PoE (IEEE 802.3af Class 3 Compliance) 9W
Dimensions	5.75" x 3.08" (146mm x 78mm)
Weight	0.8 lbs (0.365 kgs)
Mounting Options	Ceiling Flush Mount, Surface Mount (optional)
Vandal	Vandal proof housing with Tamper Alert

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Interface Specifications

Live Image 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, Axxonsoft
Status Light	Alarm Condition, Multi-Color, Programmable
Speaker	Alarm Condition, Pre-Recorded Files, Programmable

Image display of sensor readings only.

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/v6, HTTP, HTTPS, RTP, RTSP, DHCP, ARP, Bonjour
Maximum Users Connections	Live MJPEG Stream, 8 Users

All information is subject to change without notice.

IPVideo
Corporation
ipvideocorp.com

📞 631.969.2601
✉ info@ipvideocorp.com

🏠 1490 North Clinton Avenue
Bay Shore, NY 11706