

3D SENSE PRO Smart Sensor

Proven School
Safety Solution



End unwanted behaviors and gain peace of mind with instant alerts to vaping, smoking, and noise anomalies associated with violence and vandalism right to your phone or computer.



VAPING

Fast and accurate alerts for vaping and smoking nicotine, THC, and other substances, not tricked by aerosol cleaning sprays



NOISE INCIDENTS

Alerts for abnormal noise levels and decibel-thresholds alerts



AIR QUALITY

PMI, Humidity, Temperature, and VOC Index monitoring and alerts



KEYWORDS

Alerts whenever someone shouts "Help Me," "Stop It" and "Emergency" and seven other spoken keywords. Customized keywords available upon request.



TAMPER

Alarm and alert options for tampering, vandalism, device disconnect, and sensor cover detection; IK10 rated



ALERT OPTION

SMS Text Message, Email, App Notification, 3rd Party Integration, Audible Alarm

Device Information & Datasheet

Detection

Vaping	Detection of vaped and burn nicotine, THC, and other substances. Does not differentiate the substances. Tested on Juul, Puff Bar, SMOK, Elf Bar, Cigarettes, Marijuana Pens, and more.
False-Positive Rejection	Rejects most aerosols with a similar profile to vape/smoking (see masking detection)
Tamper Detection	Device Vandalism: Alert and alarm for excessive shaking associated with tampering Device Disconnect: Alert when device is disconnected from its power/data source Masking and Sensor Cover: Alert and alarm for spraying aerosols to cover the smell of illicit substances or covering the sensor with a bag, tape, or other method. Alarm: Ultra-loud alarm to dissuade tampering
Air Quality	Monitoring (sensor data updated every 15 minutes) of Temperature, Humidity, Particulate Matter Index, and VOC Index and custom alerts thresholds for each.
Spoken Keyword	Default Keywords: 10 keywords that indicate illicit behavior or distress such as "help me" and "emergency" Custom Keywords: Program up to 10 unique keywords depending on your needs (supports multiple languages) Keywords sensing is designed to only detect when someone says a keyword with <i>intent</i> . It will not pick up keywords in regular conversation. Audio is never recorded, only analyzed.
Noise Incidents	Smart Incident detection: Automatically alerts you to a higher than normal noise level (associated with violence, vandalism, or aggression) Decibel thresholds: set a decibel threshold and receive alerts for any noise that exceeds it

Software

User Management	Supports District Admin, School Admin, Regular Users, and Contacts (notification recipients without an account)
Device Setup	Register new devices through Device ID or by scanning its QR Code
Security	Fully encrypted data managed by Google Cloud. Only stores personal information that is necessary for user notification (phone number, email, etc.)
Key Features	Vaping Hot Spots: Visualize the times and locations with the most vaping incidents Sensitivity Toggle: Find the ideal sensitivity for your devices Operating Hours: Choose to turn off alerts after school hours, on the weekend, etc. Device Updates: Regular updates to add features, improve performance, and keep to date with security standards Integrations: Integrates with many 3rd party video management systems to give context to alerts through automatic camera recording Alert Options: Choose to receive notifications via SMS Text, App Notification, Email, 3rd Party Integration App Options: Manage devices through the online dashboard or the iOS and Android App
VMS Integrations	Triton devices integrate with the following VMS: Avigilon Alta (formerly Ava), Avigilon Unity, Axis, DW Spectrum, Ganz Control, Genetec, Hikvision, Milestone XProtect, Nx Witness, Surveil VMS, Verkada Command, Video Insight (i-Pro), Wizenet Wave (Hanwha). New integrations added regularly.

Datasheet

Operating Temperature	32°F – 104°F (0°C – 40°C)
Operating Humidity	0 to 90% Relative Humidity (non-condensing)
Power Supply	PoE (IEEE 802.3af Class 3 Compliance) 9W 48V
Dimensions	Diameter: 5.24 in Height 1.81 in Diameter: 13.3 cm Height 4.6 cm
Mounting Options	Ceiling Flush Mount For ceiling tiles, use a toggle bolt and anchor. For sheetrock ceilings with no studs, use a hollow wall anchor and screw. For walls, secure to a stud and wrap Ethernet cord around.
Certifications	CE, FCC, IK10, RoHS, UKCA

