



Network

TRTN-UA001

Vape Detector & Smart Safety Sensor



The Triton ULTRA Sensor is a cutting-edge detection device designed for providing total situational awareness from high-accuracy vape detection, capable of identifying THC, aggression, and environmental anomalies like scream and glass break. Featuring cloud integration, real-time alerts, and advanced security options, including people counting, loitering detection, and a 10-year warranty for long-term reliability.

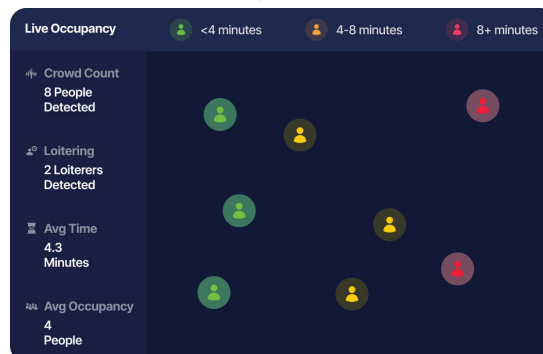
Device Key Features

- Operating Temperature: 0°C~+40°C (32°F~+104°F) / 0~90% RH (Non-Condensing)
- Weight: 340g
- Color: White
- Material: PC (Polycarbonate)
- Dimensions: 5.5" x 1.96" (140mm x 50mm)
- Max Load: 15kg
- Certification: CE, FCC, IK8, RoHS, UKCA

Device Key Characteristics

- Vaping
- False-Positive Rejection
- Noise Incidents
- Air Quality
- Spoken Word
- Tamper Detection
- VMS Integrations
- Loitering Detection & Occupancy Visualization

View Live Occupancy and Dwell Time




VAPE & THC DETECTION

Detects vaping, cigarette smoke, marijuana smoke, masking, and other illicit substances. Industry-leading response time and low false-alarm rate.



KEYWORD & AGGRESSION

Get an alert whenever someone screams, "Help Me", "Emergency!" or any of 10 standard keywords. Aggression detection also alerts to elevated noise levels and screaming.



PEOPLE COUNTING

Keep tabs on over-occupancy that can lead to safety issues such as vandalism, drug use, and violence. View data in real time and set crowding thresholds for each facility.



LOITERING DETECTION

Know if students are cutting class or hiding in a bathroom by setting proactive alerts and programmable thresholds for loitering.



GUNSHOT DETECTION

Safeguard private areas with ultra-accurate acoustic gunshot detection. Fast alerts allow increased situational awareness in an active shooter situation.



ALERT LIGHT & SPEAKER

Take alerts to the next level with a light ring and alarm speaker. Play custom files and light color sequences in the event of vaping, tampering, keywords, aggression, and other alert types.



POE TETHERING

Supports Tethering up to 4 Devices over a single cable run, optimizing efficiency by reducing installation time. Material usage, and overall costs.

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Specifications

GENERAL	
Operating Temperature / Humidity	32°F~+104°F (0°C~+40°C) / 0~90% RH (Non-Condensing)
Mounting Options	Surface Mount (recommended), Wall Mount via Stud, Pole Mount
Power Supply	POE (IEEE 802.3at Class 3 Compliance) input and output. Tether up to 4 devices together (optional). Conduit Adapter (optional).
Certification	FCC, CE, RoHS, IK8, UKCA
NETWORK	
Ethernet In	RJ-45 (10/100 Base-T) PoE (IEEE 802.3at Class 3 Compliance) (48v 5-8w)
Ethernet Out	RJ-45 (10/100 Base-T) IEEE 802.3at Class Compliance (Up to 4 Tethered Devices)
Protocols	RTSP, IPV4 / V6, TCP / IP, HTTP, HTTPS, DHCP, Onvif
Wireless	2.4 GHZ IEEE 802_11 b/g/n/ac Wire-less
Product Dimensions / Weight	Dimensions: 5.5" x 1.96" (140mm x 50mm) / Weight: 340g
COMMUNICATION I/O	
Tritons PC Software	On-Premise management software to connect all Triton devices to a Single account and view and manage them individually
Triton Cloud	Cloud adds multi-tenant access, SSO, Alerts, Bulk Setup, and advanced analytics from the Triton Hardware.
Email	Sent via AWS API
SMS Text Message	Sent via Twilio API
Speaker	Ultra-loud speaker with pre-configured sounds and the options for users to upload Audio Files. The Speaker plays different audio files based on the event that is detected.
Alert Light	Users can map how the light reacts to different event types
Live Dashboard Stream	Live Dashboard Stream
Relay	Supports relay input and output to interface with external hardware
Integrations	ULTRA integrates with many 3rd party VMS, communications, and safety systems. Most popular include: Hanwha WAVE VMS, Milestone, Genetec, Raptor Technologies, i-Pro Video Insight, Axis Camera Station, Axis D4100, Arcules, OpenEye, ExacqVision, DW Spectrum, Nx Witness, Ganz CORTROL, VAST 2, EPIC System, IC Realtime, and Avigilon. Contact Triton for integration requests and a full list of integrations.

AQI Index Calculations

TRITON		Air Quality Index Calculations				
	AQI	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	TVOC (ppm)	CO2 (ppm)	Formaldehyde (ppm)
Good	0-50	0-12	0-54	0-15	400-850	0-0.2
Moderate	51-100	12.1-35.4	55-154	16-25	851-1500	0.21-0.4
Unhealthy for Sensitive Groups	101-150	35.5-55.4	155-254	26-50	1501-2000	0.41-0.6
Unhealthy	151-200	55.5-150.4	255-354	51-75	2001-2500	0.61-0.8
Very Unhealthy	201-300	150.5-250.4	355-424	76-100	2501-5000	0.81-1
Hazardous	301-500	250.5-500	425-600	101-150	5001-15000	1.01-1.2