

Triton ULTRA

Smart Sensor for Health, Safety, and Drug Detection



Triton ULTRA is a multi-function **health, safety, and drug detection** device. ULTRA intelligently reports environmental data for complete context to what is going on in private areas. ULTRA uses no cameras, records no audio, and collects no personally identifiable information. This is why Triton Sensors are **trusted in hundreds of facilities** across the globe to safeguard bathrooms, common rooms, dormitories, and more.



VAPE & THC DETECTION

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



KEYWORD AND 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.



TAMPER DETECTION

Including shaking, knocking, disconnect, and covering the sensor.



GLASS BREAK DETECTION

Acoustic detection of glass breaks associated with vandalism and intruders.



PoE DAISY CHAIN

Connect up to three devices in a single cable run to save time and materials.

EASILY INTEGRATED

TRITON Supports The Following:

Local Management Software

Optional Cloud Software

VMS Software With Alert Logging and Video Streams

Dry Contact Alarm Relays



HEALTH

- HEALTH INDEX
- AIR QUALITY INDEX
- TVOC
- CHEMICALS
- CARBON MONOXIDE
- CARBON DIOXIDE
- PARTICULATES
- NITROGEN DIOXIDE
- TEMPERATURE
- HUMIDITY

BEHAVIOR

- KEYWORD
- PEOPLE COUNT
- LOITERING
- AGGRESSION
- GUNSHOT
- GLASS BREAK
- MOTION
- TAMPER
- SENSOR COVER
- ALERT LIGHT
- ALERT ALARM

DRUGS

- VAPE
- THC
- CIGARETTE
- MASKING

General Specifications

Operating Temperature	32°F - 112°F (0°C - 44°C)
Operating Humidity	0 to 90% Relative Humidity (non-condensing)
Power Supply	PoE (IEEE 802.3at Class 3 Compliance) input and output. Tether up to 4 devices together.
Dimensions	5.5" x 1.96" (140 mm x 50mm)
Mounting Options	Surface Mount (recommended), Recessed Mount, Wall Mount via Stud, Pole Mount (optional), Conduit Adapter (optional)
Certifications	FCC, CE, RoHS, IK8, UKCA,

Network Specifications

Ethernet In	RJ-45 (10/100 Base-T)
Ethernet Out (tether up to 4 devices)	RJ-45 (10/100 Base-T) IEEE 802.3at Class Compliance
Protocols	RTSP, IPV4/IPv6, TCP/IP, HTTP, HTTPS, DHCP, Onvif
Wireless	2.4 GHZ IEEE 802.11 b/g/n/ac Wireless
Bluetooth & BLE	Bluetooth 5.0, BLE

Communication and I/O

Triton PC Software	On-Premise management software to connect all Triton devices to a single account and view and manage them individually.
Triton Cloud	Cloud software that extends the abilities of Triton hardware
Email	Sent via SMTP server (On-Prem) or through Mandrill API (Cloud)
SMS Text Message	Sent via SMTP to SMS (On-Prem) or through Twilio API (Cloud)
Speaker	Ultra-loud speaker with pre-configured sounds and the option for users to upload sounds. The speaker plays different sounds depending on what event is detected.
Alert Light	Users can map how the light reacts to different event types, such as orange for vaping and red for tampering.
Live Video Stream	Supports two simultaneous RTSP streams. One of the device's dashboards and another of the people counting map.
Relay	Supports relay input and output to interface with external hardware

The only smart sensor with

- 10 Keyword Alerts**
- Glass Break Detection**
- Loitering Detection**
- Occupancy Visualization**
- 4 Device PoE Tethering**
- 10 Year Standard Warranty**

Vape Alert now

Vaping Detected in First Floor Men's Room

Keyword Alert 1m ago

Keyword "HELP ME" detected in First Floor Women's Room

Crowding Alert 3h ago

Crowding Detected in Third Floor Men's Room. CrowdCount: 14