

AVIGILON™ SentryERS

Emergency response system



SentryERS improves workplace safety and expedites incident resolution with real-time situational awareness and reliable communication. Base unit buttons activate lockdowns and emergency alerts. Mobile devices provide live video and direct communication for coordinated responses.



Keyword activation

In the event a lockdown or emergency button is unable to be activated, a verbal keyword 'Help emergency' provides a third activation method.



Gunshot sound, aggression and audio detection

Patented gunshot sound detection algorithms provide automatic alerting. Machine learning and AI monitors decibel levels of a location and establishes normal ranges.



Event reporting

The mobile device enables silent event reporting via emergency type selection or texting and delivers live video, two-way voice and GPS data to first responders and security teams.



Privacy mode

Cameras and audio remain deactivated until activation from a mobile device, emergency button or iPanic button occurs. This functionality alleviates concerns about continuous monitoring.



Lockdown drill mode

Drill mode tests system responses and provides performance reports. These reports identify strengths and improvement areas, strengthening preparedness and crisis response confidence.



iPanic button activation

Easy-to-use, single-button wearable cards are recognized by any SentryERS unit within range and trigger established protocols including notification of 911 for Alyssa's law.

Specifications

GENERAL SPECIFICATIONS

Operating Temperature	32°F - 122°F (0° C - 50°C)
Operating Humidity	0 to 90% Relative Humidity (non condensing)
Power Supply	POE: PoE+ 55VDC (IEEE 802.3 at), INPUT 25.5 W MAX Alternate DC Power 11VDC to 14 VDC at 2ADC External Load 6W Maximum
Dimensions	12 1/4" x 5 1.2" x 2 1/2" (H x W x D)
Weight	1.7 lbs without Mobile Device and 2.4 lbs with Mobile Device
Mounting	Wall Mounted with included bracket
Vandal Sensor	Tamper Alerting / Phone Removal Alerting GPS Location Tracking of Mobile Device

NETWORK

Ethernet	RJ-45 (10/100/1GB Base T) IEEE 802.3 at Compliance
Protocols	MJPEG, MP4, TCP/IP, IPV4/V6, HTTP, HTTPS, DHCP, ARP, Bonjour
Wireless	2.4 GHZ IEEE 802.11 b/g/n/ac Wireless

INTERFACE SPECIFICATIONS

Live Camera	FOV 120° (H) x 90°(V), Resolution 1920x180, 30 FPS, Live MJPEG
Audio	MEMS Microphones (2) [Audio Analysis Only] No Recording of Live Audio Stream
Alarm Triggers	Aggression, Gunshot, Spoken Keyword, Tamper, Sound Levels, Remote Panic Button, Lockdown Button, Mobile Device Removed
Relay Output	1 Normally Open and 1 Normally Closed contact.
Digital Input	1, Isolated, 5 VDC to 24 VDC or 5VAC to 24 VAC
RS-485 (9 pin - Terminal Block)	1, integrates wired industrial sensors, strobes, lockdown events
Power Output	12VDC at 0.5A, External Load 6W Max
LED Light (Red, Green, Blue, White)	Visual Indicator of Alarm Condition, Programmable (Flash Pattern or Always on)
Speaker	Audible Indicator of Alarm Condition, Pre-Recorded Files, Programmable WAV Files Speaker Audio Output: Sound Pressure Level (SPL) >= 95 dB @ 4ft (volume adjustable)

ADDITIONAL INFORMATION

Supported Languages	English
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MOBILE DEVICE SPECIFICATIONS

Dimensions	6.5" x 3.0" x 0.36" (H x W x D)
Weight	0.42 lbs
Display	6.6" HD+ 1612 x 720 pixels, 19.5:9 HD+ 282 ppi approx., Type: LCD (TFT/TFD)
Memory	RAM: 3GB Storage: 32GB External Storage: microSD (up to 512GB)
Connectivity/Sensors	Wi-Fi 802.11 a/b/g/n/ac (2.4GHz/5GHz) GPS with A-GPS Support USB Type-C 2.0 VoLTE & VoWiFi NFC (Optional) SIM (Optional) eSIM (Optional)
LTE Bands (QuickCom)	Max network speed: 4G/5G Network bands (GSM): 850, 1900 Network bands (LTE): B2, B4, B5, B7, B12, B13, B17, B66, B71, B41 Network bands (WCDMA): 2, 4, 5
Camera (QuickCom)	Rear Camera: 8MP x Auto Focus Front Camera: 5MP x Auto Focus
Carrier Certifications	North America: Mobileware (Vodafone), AT&T, Verizon, T-Mobile

Support

For product support, visit: avigilon.com or sales@avigilon.com

For more information, contact:



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