

Transforming Safety into Action

X-Shield









AI integrated all-in-one safety solution designed to elevate security and operational efficiency in any environment. By integrating multiple advanced technologies—including a panic button, occupancy sensor, and environmental detectors—the X-Shield provides comprehensive monitoring that ensures the safety of both personnel and visitors. Its ability to deliver real-time alerts and facilitate two-way communication during emergencies makes it indispensable for schools, offices, and public spaces, giving organizations peace of mind and a proactive approach to safety.

How It Works

The X-Shield triggers immediate notifications to designated personnel while continuously monitoring for various threats, including airborne contaminants and unauthorized access. To initiate a rapid response in critical situations, personnel can activate the emergency button. This integration allows for effective resource allocation, with real-time data accessible via the X-Guardian platform, enhancing situational awareness and improving safety protocols. Additionally, the X-Shield features an environmental sensor, strobe lights, an occupancy sensor, camera, shutter, optional card reader, backlight glow lighting, microphone, button tamper sensor, and a 7" high resolution touchscreen reinforcing its role as a vital component within the XSponse ecosystem. No need to log into multiple devices—once connected to the X-Guardian service, devices automatically deploy in real-time, cutting down installation time. All devices come pre-configured for immediate use upon delivery.



Key Features:

-  **Integrated Emergency Button:** Instantly alerts security personnel and initiates emergency protocols with tamper alert sensor
-  **Occupancy and Environmental Sensors:** Detect safety threats such as gas leaks, occupancy levels, and environmental conditions while offering complete protection against vaping, THC, vape masking, and smoking, ensuring a safer and healthier environment.
-  **Two-Way Communication:** Real-time communication between staff and first responders during emergencies.
-  **Real-Time Alerts:** Provides immediate notifications to designated personnel via the X-Guardian software.
-  **User-Friendly Design:** Convenient touchscreen interface with configurable settings for tailored safety management.
-  **Power over Ethernet (PoE):** Simplifies installation and connectivity, requiring only a single cable.
-  **Dual Sensors:** Detects both environmental hazards, temperature, and occupancy to ensure optimal safety and compliance.
-  **AI Voice Activation:** Use keywords to wake up and activate the X-Shield to perform automated event tasks.

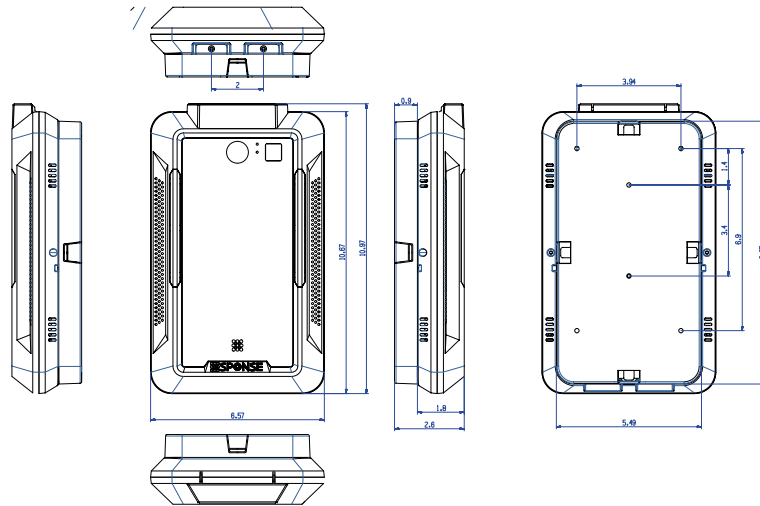
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Technical Specifications



X-Shield	
Product Number	811-0001
Dimensions (L x W x D)	10.60 X 6.52 X 1.77 (inches)
Push Button Size (L x W)	2.75 X 1/2 inches
Screen Size	9 inches diagonal
Power Source	POE+ or POE ++
Processor	Broadcom BCM2711
Max Power	25W
Configuration	Automatic self deployment via X-Guardian Platform
Memory, Format, and Storage	4GB LPDDR4 SD RAM, 8GB eMMC Storage, ~4GB for files
Audio	4 X 2W speakers, omnidirectional microphone -25dB
AI Activation	Responds to audio commands using keyword
LED Type	Multi channel RGB LEDs
Wire Type	Cat5e or greater
Camera	12MP; 120° FOV, electro mechanical shutter
Camera Stream Types	Onvif, RTSP
Network Interface	Ethernet
Network Protocols	DHCP, HTTP, HTTPS, TCP/IP, ARP, Bonjour, MQTT (Port 8883), UDP, IPv4 / IPv6, mDNS
Mounting	Included Wall mount Bracket and optional mounting accessories for supporting surface mount and wire mold installations
Wire Mold Insert	Wire mold knock outs
Vandal	Tempered glass
Relay Output/Input	2 relay outputs, 2 digital inputs
RS-485	Yes
Camera Status	LED
Warranty	3 Years

Detection Attributes	
Temperature Detection	-40 -185°F / -40 - 85°C
Pressure Detection	Barometric pressure changes
Environmental Particle Detection	Air Pressure Temperature Health Index Air Quality Index Relative Humidity Volatile Organic Compounds (VOC) Carbon Dioxide (CO2) Air Particle Concentrations Carbon Monoxide (CO) Nitrogen Dioxide (NO2) Ethanol (C2H5OH) Hydrogen (H2) Ammonia (NH3) Methane (CH4) Propane (C3H8) Iso-butane (C4H10) TVOC Gas Particulates Chemicals THC Vape Vape Masking Smoking

All XSponse products utilize an X-Guardian software license connected to an X-Guardian Controller.



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