

## 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 XSpense 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.

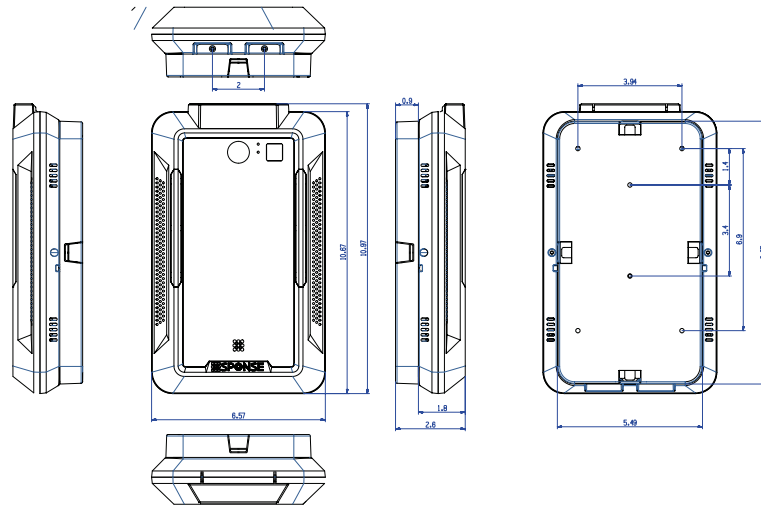
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to Learn More!

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[www.xspense.com](http://www.xspense.com)



## 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	<ul style="list-style-type: none"> <li>Air Pressure</li> <li>Temperature</li> <li>Health Index</li> <li>Air Quality Index</li> <li>Relative Humidity</li> <li>Volatile Organic Compounds (VOC)</li> <li>Carbon Dioxide (CO2)</li> <li>Air Particle Concentrations</li> <li>Carbon Monoxide (CO)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ethanol (C2H5OH)</li> <li>Hydrogen (H2)</li> <li>Ammonia (NH3)</li> <li>Methane (CH4)</li> <li>Propane (C3H8)</li> <li>Iso-butane (C4H10)</li> <li>TVOC Gas</li> <li>Particulates</li> <li>Chemicals</li> <li>THC</li> <li>Vape</li> <li>Vape Masking</li> <li>Smoking</li> </ul>



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

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