



## V5 Acoustic Gunshot Sensor (V5 GSL Sensor)

**MOVE IT ANYWHERE YOU NEED TO.  
RAPID OUTDOOR GUNSHOT DETECTION.**



### User-friendly Interface

- Real-time acoustic and video alerts sent through an included VMS (Video Management System) for desktops, tablets and Android/iOS phones
- Acoustic location and history, with optional video visualization on a Google map
- Triangulation of gunshots when multiple V5 units are deployed



### Artificial Intelligence and Edge Computing

- Built using AI that runs entirely on the edge
- More than 90% accuracy at up to 250 feet; AI technology enables increased accuracy over time in its current environment
- Artificial Intelligence allows the system to detect a broad range of gunshot types
- Up to 1000 feet of localizable acoustic range



### Wireless Communications

- Get the convenience of outdoor Wi-Fi, cellular or radio frequency



### Perpetual Self-power

- Get perpetual power with a combination of proprietary bullet-resistant V5 solar panels, battery and power management system



### Edge Storage

- All software included
- Up to 1TB of onboard storage



### Two Deployment Options

- Standalone gunshot detection
- Gunshot detection deployed with video sensor

**PORTABLE, SELF-POWERED  
OUTDOOR GUNSHOT  
DETECTION SOLUTION**

Rapidly deploy pre-configured, self-contained, GSL security units powered with a combination of battery and solar technology to any outdoor environment or cost-prohibitive area without being tied to the electrical grid. Gain immediate insight with 24/7 live video streaming and a pan/tilt and zoom camera, allowing you to remotely control the viewing area.

### BENEFITS:

#### Fast Deployment

- Compact turnkey solution
- Effortless setup

#### Lower Expenses

- No trenching
- 2-year warranty included

#### Increase Awareness

- Prevent blind spots
- Decrease risk exposure
- Reduce crime

V5 Systems Acoustic GSL Sensor (V5 GSL Sensor) is the world's first wireless, portable, solar-powered gunshot locator device. By continuously monitoring ambient environmental audio, the sensor is able to both detect and localize the source of gunfire using pre-trained Artificial Intelligence methodologies and provide real-time location information for each gunshot event. The sensor, deployed with V5 Portable Power Units and/or V5 Portable Security Units, is a truly innovative, off-the-grid technology capable of addressing all of your outdoor GSL needs.

These devices are wireless, enabling users to deploy sophisticated gunshot detection solutions wherever there is a need, rather than wherever there

Where to buy?  
Visit our website:  
[www.v5systems.us](http://www.v5systems.us)

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is access to fixed power and connectivity. This eliminates the need for trenching and acquiring permits, reducing implementation cost and time. The V5 GSL Sensor is built upon an AI methodology utilizing neural networks, essentially computational models based on the human brain to recognize when a gunshot has occurred. This enables our system to learn what a gunshot sounds like, in much the same way as a human learns to recognize and classify sounds. This allows the system to detect a much broader range of gunshots without relying on a human-specified model or set of heuristics.

When multiple V5 Portable Units are deployed with the V5 GSL Sensor, they can share data and work together to triangulate the source of one or more gunshots, determining precise locations while sending real-time audio alerts via email and/or text to authorized first responders and security personnel. Detection range of one unit, in its default configuration and accuracy level, is approximately 300-1000 feet, depending heavily on the environment in which the unit is placed. Flat, rural, temperate environments provide the longest detection range and urban, hot, heavily obstructed environments provide the shortest. These intelligent devices are powered by V5 Systems' proprietary power management system. They are driven by an edge computing platform expediting the quickest alerting time possible and equipped with onboard storage, communications via cellular networks, Wi-Fi and/or radio frequency.

The solution can be installed in a matter of minutes, all packaged in a ruggedized enclosure for easy deployment and re-deployment in any outdoor environment.



(V5 GSL sensor without video sensor)

## V5 GSL Sensor Unit Configurations

Part Number	Camera Lens Focal Length	Storage	Communications	Illumination
VPECUN5GCLV5GS	No Video Sensor	500GB	WIFI and Cellular	No Video Sensor
VPECUN1TCLV5GS	No Video Sensor	1TB	WIFI and Cellular	No Video Sensor
VPSUCVF121TV5GS	f2.8-12mm	1TB	WIFI	IR
VPSUCVF121TCV5GS	f2.8-12mm	1TB	WIFI and Cellular	IR
VPSUCVF125GV5GS	f2.8-12mm	500GB	WIFI	IR
VPSUCVF125GCV5GS	f2.8-12mm	500GB	WIFI and Cellular	IR
VPSUCVF12S1TV5GS	f2.8-12mm	1TB	WIFI	Starlight
VPSUCVF12S1TCV5GS	f2.8-12mm	1TB	WIFI and Cellular	Starlight
VPSUCVF12S5GV5GS	f2.8-12mm	500GB	WIFI	Starlight
VPSUCVF12S5GCV5GS	f2.8-12mm	500GB	WIFI and Cellular	Starlight
VPSUCVF221TV5GS	f7-22mm	1TB	WIFI	IR
VPSUCVF221TCV5GS	f7-22mm	1TB	WIFI and Cellular	IR
VPSUCVF225GV5GS	f7-22mm	500GB	WIFI	IR
VPSUCVF225GCV5GS	f7-22mm	500GB	WIFI and Cellular	IR
VPSUCVF22S1TV5GS	f7-22mm	1TB	WIFI	Starlight
VPSUCVF22S1TCV5GS	f7-22mm	1TB	WIFI and Cellular	Starlight
VPSUCVF22S5GV5GS	f7-22mm	500GB	WIFI	Starlight
VPSUCVF22S5GCV5GS	f7-22mm	500GB	WIFI and Cellular	Starlight

### Physical Specs ( without video sensor)

Enclosure.....IP66  
Dimensions.....12.5" L x 10.5" W x 7.5" D  
Microphone Length.....6.75"  
Weight.....25.8 lbs.  
Bracket Weight.....2.8 lbs.  
Solar Panel Dimensions.....38.6" L x 22.6" W x 0.28" D (X2)  
Solar Panel Weight.....7.6 lbs. (X2)

### Starlight Camera Sensor Specs

Image Sensor.....1/3" 2.0 Megapixel Progressive CMOS Sensor  
Effective Focal Length.....Option: 2.8-12mm or 7-22mm  
Auto Focus Function.....Yes  
Digital Zoom.....Yes  
Optical Zoom.....Yes

### Physical ( with video sensor )

Enclosure.....IP66  
Dimensions.....22.8" L x 13" W x 9.5" D  
Weight.....28.8 lbs.  
Bracket Weight.....7.0 lbs.  
Solar Panel Dimensions.....38.6" L x 22.6" W x 0.28" D (X2)  
Solar Panel Weight.....7.6 lbs. (X2)

### IR Camera

Image Sensor.....1/3" 2.0 Megapixel Super Low Light Progressive CMOS Sensor  
Focal Length.....30 LEDs; 10-20m  
Effective Focal Length.....Option: 2.8-12mm or 7-22mm  
Auto Focus Function.....Yes  
Digital Zoom.....Yes  
Optical Zoom.....Yes



- Includes 2 Year Warranty
- RSA-2048 Keys, AES-256 encryption

