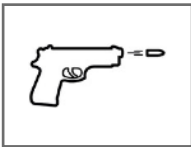
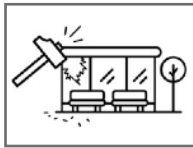
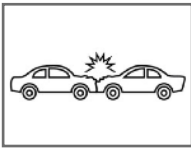




SOUND-SCANNER - ref. 1S11113  
Outdoor Detector (IP65)  
Ethernet - POE



## KEY FEATURES

- **Non-intrusive:** no sound recording, or forwarded, only metadata are analysed.
- Automatic and permanent **self-learning** of the usual ambient sound conditions
- Detects abnormal sound events and **indicates their direction**
- Connects to an IP network
- Sends notifications using either protocols: TCP, UDP, HTTP
- Compatible with major video surveillance softwares
- Can be configured using an embedded website

## SOUND-SCANNER

### Directional Smart Detector of Abnormal Sounds

This smart detector is equipped with an integrated sound pickup system. It continuously analyses the usual sound environment of the outdoor site where it was placed. It detects abrupt sound events such as "shocks", which are out of the ordinary. Thanks to its machine-learning system, it adapts automatically to the ambient sound conditions. It also identifies the direction from which the sound comes. It connects to an IP network. Abnormal sounds and the direction from which they come are automatically signalled by IP notifications.

The original system SENSIVIC is based on the continuous automatic analysis of the urban soundscape. The Sound-scanner collects the acoustic activity of the place where it was placed, within a radius of 40m. It continuously assesses the data and **automatically adapts to the context:** day/night, rush hour, seasons, events, works...

The Sound-scanner detects **sudden and short new sound events** (less than 500 ms), with a signature distinctly different from the ambient sound.

It detects, in all situations

- **Detonations:** shots, explosions...
- **Glass breakage**
- **Shocks related to vehicles:** ram cars, accidents ...

In a quiet environment, it can also detect noises such as a door slamming, metallic shocks (shocks on gates or barriers)... or

any noise that would naturally surprise a person in a peaceful environment.

The 360 ° listening area is divided into 12 detection zones (+1 at its foot). Each them corresponding to a notification.

Results with video surveillance equipment:

- The **PTZ cameras** are attracted to the sound source, they watch the right scene at the right time.
- The supervision center can receive alerts from **fixed cameras** positioned on areas where an alarm is triggered.
- The work of the **officers of the supervisory center** is facilitated by alerts from the field.
- When searching through video streams, **investigators** are guided by detector alarms (search by meta data)...

## SPECIFICATIONS

### Power requirements

- PoE- full 802.3af
- Power consumption: approx. 350mW

### Environnemental Conditions

- Temperature: -40 ° C to + 85 ° C
- Humidity: up to 95% without condensation.

### Packaging

- Housing ABS IP65
- 120mm x 120mm x 60mm
- Weight: approx. 500g

### Mounting

- On wall, on grid or on mast. Fixing lugs are provided.

### Connexions

- RJ45 behind cable gland

### Sound system

- Built-in sound antenna.
- Determining the direction of the sound source according to the number of zones set (12+1) each corresponding to a specific notification.
- The detection of an unusual sound event in an area causes the associated alarm.

### Notifications

- Activation time : 500 ms.

### Ethernet

- Protocols : UDP, TCP, HTTP.
- Parameters setup using an embedded website.