SOKORO

Automatic directional detector
of acoustic shocks

Detection

SHOCK WAVES

The original SENSIVIC system is based on the automatic analysis of the urban soundscape within a radius of approximately 40 m of the area where it has been installed. It continously adapts to the context: day/night, peak hours, seasons, events, works, etc.

SOKORO detects **sudden and very brief sound events**, generated by an energy clearly different from the actual sound environment
- **Detonations** : gunshots,explosions...
- Shocks generating a **window breakage**
  Shocks on vehicles : ram cars, **accidents...**

In a quiet enviroment, it can detect shocks on gates or fences or any other acoustic shock that would naturally surprise someone in this situation.

The 360° detetion area is divided in 12 zones (+1 at the foot) corresponding to a sound source direction. Connected to video protection systems
- **PT cameras** can be automaticaly rotated to right direction, they look at the right scene in real-time
- Video stream of **fixed security cameras** can be automaticaly displayed on the video screens
- **Operators mission** is facilitated by the real-time alarms
- **Investigators** are helped by the detection markers on the video stream to be explored

Radius

Detection radius : 4 to 40 meters approximatively
Installation height : 4 to 5 meters approximatively

Description

SOKORO Outdoor
(IP 65)

This outdoor smart detector continuously analyses the usual sound environment of the site where it has been installed. It detects unexpected **abrupt and unexpected sound events** (detonations, car accidents, window breakage etc..) **and the direction of their origin**. Detection and direction are flagged by sending an IP notification.

No sound is recorded, privacy is entirely guaranteed. The detector is standalone : sound pick up and analysis are integrated. Configuration can be done using your smartphone via the integrated wifi network

Sectors

Car parks   **Public**   **Urban Space**   **Health**

Retail   **Venues**   **Industry**   **Transport**

Key Points

- ✔ Non intrusive: no sound recorded or forwarded, only metadata are analysed
- ✔ Continuous Machine learning of the evolving sound background.
- ✔ Detects anomalous sound events and indicate their direction
- ✔ Compatible with Video Management Softwares and hypervisors
- ✔ Connect to IP network
- ✔ IP notifications : ICMP, UDP, TCP, HTTP/cgi.
- Setup using the integrated website.
- ✔ Embedded wifi communication for on-site seting
- ✔

Technical Data

Stand Alone **Plug & Play** **Integratable VMS** **Integratable Alarm panel** **Video-surveillance** **Interoperable** **Wifi** **Outdoor**

POWER

- Tension : 12 to24 Vcc.
- Consumption : 3 W max.

WEATHER CONDITIONS

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

PACKAGING

- IP65 ABS structure with goose-neck bracket
- 180 mm diameter, 60 mm thickness (approximative).

FIXING

- Wall, fence, mast..

CONNECTION AND CONFIGURATION

- Connection to cables coming out of the goose-neck
- 2 ways connection to power
- RJ45 female connector for connection to the IP network.

SOUND PICK-UP

- Integrated
- Acoustic antenna indicates the direction of sound source (12 zones + 1) each of them related to a specific alarm.

ETHERNET

- Protocoles : IP, ICMP, UDP, TCP, HTTP/cgi
- Network settings using an on-board website.

WIFI

- Wi-Fi network for on-site setting via embedded website.

These data are provided for information only. They are not contractual. USS Sensivic reserves the right to make any improvements it deems useful to its products.

SENSIVIC ®
Real-time Smart Audio Detection

USS SENSIVIC S.A.S.
Le LAB'O, 1 avenue du Champ de Mars
45100 Orléans, France

T : (+33) 2 38 69 82 96
M : contact@sensivic.com

www.sensivic.com