

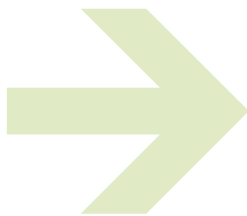


AUDIOSENSE™ 800

ORELIA is a high tech company which specialises in sound analysis systems.

ORELIA's mission is to develop systems that significantly increase real time detection for video-surveillance (catching events in the act, civil assistance...) while reducing operating costs.

AUDIOSENSE, the anomaly detector for active video-surveillance systems analysis.



Don't miss any more critical events shown by your cameras

Don't tolerate that your cameras remain deaf

Detect events in the act, even in night-time conditions

Drastically reduce your functioning costs



Characteristics:

- Active anomaly detection (aggressions, cries for help, damage to property...) by sound analysis.
- Up to 50m range in all directions
- Very good immunity to background noise
- Effective in night-time and foggy conditions
- Compatible with PTZ cameras

Advantages:

- For the user: increased efficiency of the operators
- For the local authority: reduction of functioning costs
- For citizens: better day to day protection



Demand

The growing deployment of video-surveillance systems creates a real need for intelligent solutions that increase the real time effectiveness of cameras. Operators can not use all the footage to it's full potential and serious incidents can go undetected. While attention is usually focused on analysis within the images, the useful information is often to be found elsewhere. AUDIOSENSE opens the audio dimension. AUDIOSENSE brings a solution to your detection problems.

Technology

ORELIA has patented a technology of anomaly detection by spectral analysis of soundscapes. Thanks to the sound signature concept, AUDIOSENSE filters sounds and only sends alarms when preselected events are detected.

Types of anomalies detected

Screams, aggressions, cries for help, damage to property (broken bottles, glass, windows, graffiti...), car horns, sirens, dog barking, abnormally high sound level. ORELIA can also answer to specific demands for your own projects.

General Description

AUDIOSENSE is a network device which continuously analyses a soundscape and sends alarms on the network when a preconfigured event is detected. Detection is entirely handled in AUDIOSENSE and the alarms themselves are the only information emitted by the package. No audio recordings are made, no re listens are possible. AUDIOSENSE 800 is delivered in separate elements (analysis card and sound sensor) in order to be incorporated in a camera casing. AUDIOSENSE 800 WP is pre-integrated into a fully waterproof casing (IP66).

Use

AUDIOSENSE is used to complement urban video-surveillance systems. It assists the operators work by indicating the right camera to watch and the sound event that was detected. AUDIOSENSE allows active use of video-surveillance systems.

Installation

AUDIOSENSE is destined to indoors and outdoors installation. Outdoors, it can be mounted onto a wall or a pylon stationed near a video-surveillance camera and at a height between 3 and 5 meters. AUDIOSENSE needs an IP connection for communication and power supply as well as a user interface capable of receiving SNMP traps.

Interface with supervision systems

Package configurable via Web interface (HTTP protocol). SNMP protocol via a MIB for the package configuration. SNMP protocol for alarm reception. SDK available and open for software integration in supervision platforms.

Technical specifications

Power	7-18 Vpp (18V adapter included) PoE passive supply (PoE injector included)
Consumption	5 W max
Dimensions (L x H x P)	AUDIOSENSE 800 WP : 220 x 140 x 71 mm AUDIOSENSE 800 : 160 x 110 x 31 mm sound sensor : 86 mm (length), 26 mm (drilled diameter)
Weight	AUDIOSENSE 800 WP : 1,5 kg AUDIOSENSE 800 : 1 kg (with sound sensor)
Colour	grey
Usage T°	-20° to +70°C
Waterproof	AUDIOSENSE 800 WP : IP66
Material	aluminium
Detection range	Up to 50 m (consult the detection abacus for each sound to be detected)
Included accessories	AUDIOSENSE 800 WP : 18V adapter, PoE injector, user guide. AUDIOSENSE 800 : sound sensor, 18V adapter, PoE injector, USB cable, user guide.
Security	Password protection, HTTPS encrypting
Handled protocols	IPv4, HTTP, HTTPS, Bonjour, SNMPv1/v2c, DNS, NTP, TCP, UDP, ICMP, DHCP, ARP.



AUDIOSENSE 800 WP for an outdoor installation.



AUDIOSENSE 800 is delivered in separate elements for integration in an existing waterproof casing or an indoor installation.

Because of technical evolutions, ORELIA SAS reserve the right to modify the technical characteristics announced for this product and/or to cease manufacturing it at any time and without further notice.