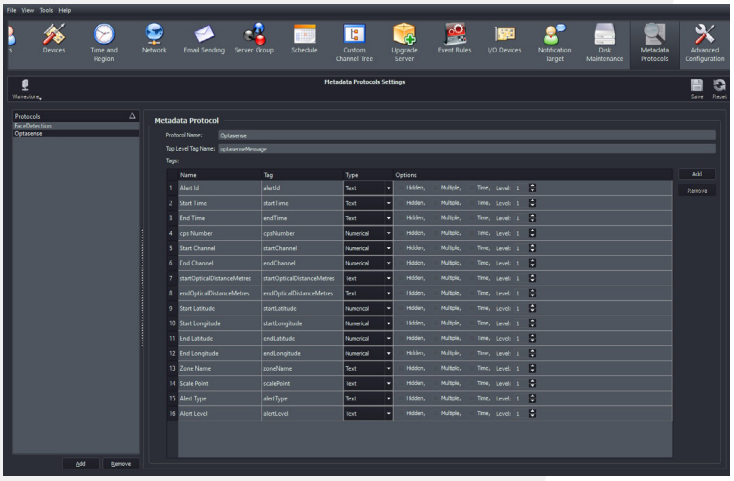
Wavestore integrates...

OptaSense Acoustic Fibre & PIDS

Overview

OptaSense's Distributed Acoustic Sensing system intelligently detects and classifies people, animals, vehicles and projectiles via fibre optic cable. Users are then able to assign descriptions to specific detection signatures and specify which events trigger an alarm.

The fibre optic cable can be buried underground, or deployed along a fence-line above ground to suit a wide-range of applications such as pipeline protection and Perimeter Intruder Detection (PIDS). OptaSense is able to divide the fibre optic cable into specific zones and, thanks to repeater units, can cover vast distances of many thousands of kilometres.



A host of specific events from the OptaSense system can be recevied by Wavestore to perform any number of customisable actions.

Server side

Wavestore's VMS can be installed on Wavestore's own range of servers/appliances, or on a host of compatible third-party brands, providing video, data and recording management across the end-customer's site. OptaSense software, which runs on separate Windows™ based computers to a minimum specification, gives users full access to administration of the OptaSense system.

The OptaSense server is connected over the network to Wavestore's **'Metadata Engine',** which is an option you must include when specifying your Wavestore VMS edition.

Wavestore's VMS can accept the type of alarm, such as vehicle, person, animal etc. along with the specific 'current', 'start' and 'end' latitude & longitude of the alarm as well as zone information and respond in a number of ways, such as moving cameras automatically to look in the direction of the incident and/or pro-actively alerting security staff. All features of Wavestore's events engine can be utilised and the data collected is fully searchable for post-event interrogation, making it possible to retrospectively recall video that relates to a specific scenario such as 'person crossing fence line', 'animal detected' or 'alarm in zone 5', for example. Text information can also be overlaid onto video to give the operator enhances situational awareness.

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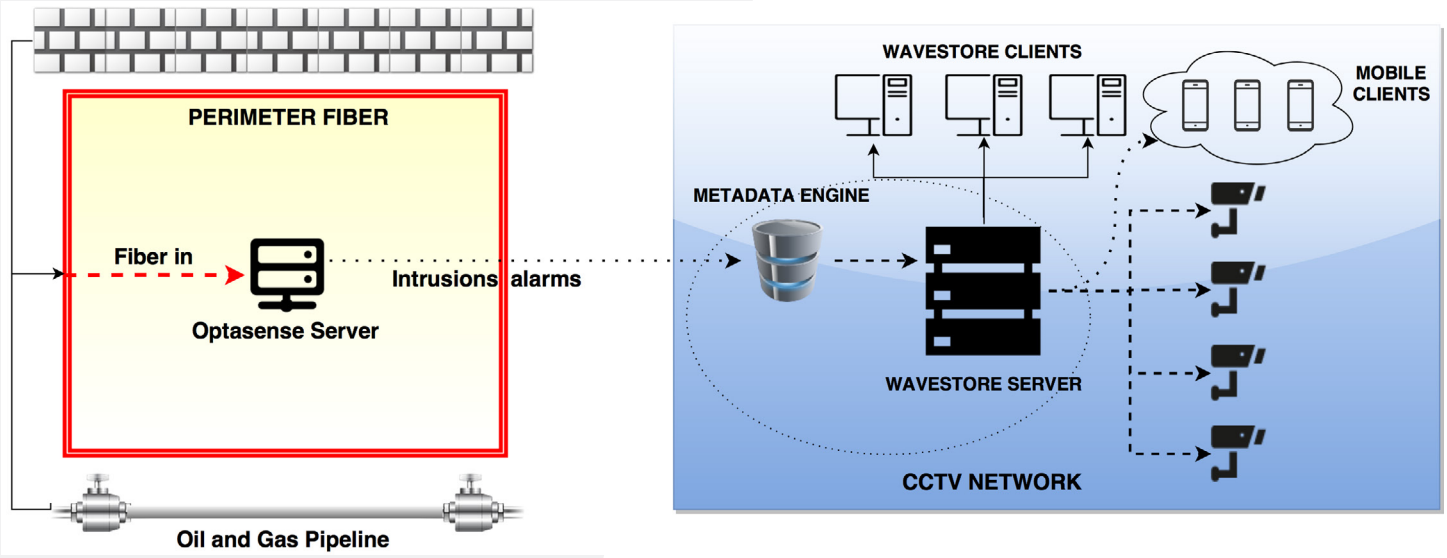
Client side

Wavestore's 'WaveView' client software application can be installed on multiple client machines to access the Wavestore server(s). WaveView provides complete live monitoring and playback control of cameras and other devices with any event information displayed as an overlay on the video from associated cameras, affording the operator quick situational awareness. WaveView enables the operator to view live video, search for events or manage triggers linked from events either in real time as they happen, or via post-event interrogation. Operators are then able to easily stitch together video from time-synchronised events using Wavestore's 3-click evidential export function.



Main Features of the integration

- Wavestore and OptaSense together provide a best-in-breed solution for video, audio, data and fibre detection applications
- Add video to fibre detection events and benefit from real-time, on alarm and easily searchable post-event viewing
- View video of events in real time
- Easily search for events from any keyword and instantly bring up video and backup using Wavestore's 3-click evidential export function from associated cameras
- One screen, total control – Just one operator screen to seamlessly manage events from CCTV, fibre detection and other integrated technology
- Ability to customise actions to trigger events with any number of actions performed thanks to the Wavestore events engine
- Wavestore's 'any video, any format' philosophy means its easy to integrate multiple camera technologies onto the same platform, including thermal cameras that are able to cover vast distances in perimeter and pipeline protection applications

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About Wavestore

Wavestore's truly independent open platform Video Management Software (VMS) enables users to achieve maximum return on investment from their security solution by unlocking its full potential.

Sitting at the very heart of a security system, Wavestore combines powerful 'any source' video, audio and recording management with deep integration across multiple technologies from a wide range of third-party technology providers. These include leading camera, video analytics, access control, recording and sensor providers, making it possible for users to effortlessly operate, monitor, control and manage a best-in-breed total security solution – and all from a single screen.

WEBSITE:

wavestore.com

CONTACT:

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About Optasense®

OptaSense converts any standard fiber-optic cable into a Distributed Acoustic (or Seismic) Sensor. Acoustic or Seismic signals that strike the fibre cause minute strains in the fibre and OptaSense measures these minute strains, using laser interrogation, turning the fibre into a distributed acoustic/seismic sensor.

An Interrogator Unit (IU) fires a laser beam into the cable and measures backscatter returns from naturally occurring imperfections inherent in the fiber-optic cable. The minute strains cause subtle modulations of the backscatter that are then measured by the IU, thus sensing the acoustic/seismic signal.

WEBSITE:

optasense.com

For further information, please visit the 'Technology Partner' section of Wavestore.com

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