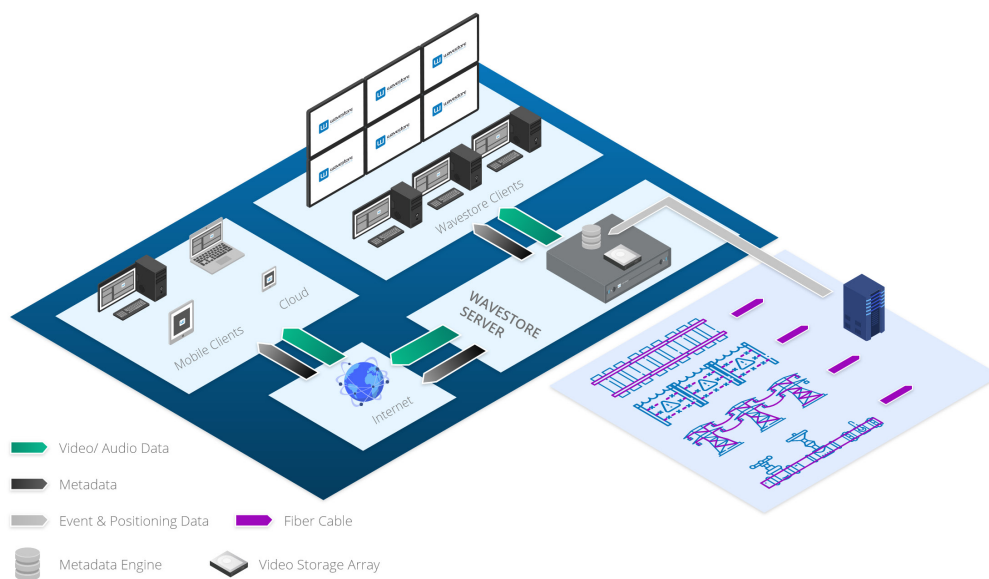


OptaSense Acoustic Fibre & PIDS

Luna Innovations' OptaSense 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.



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 endcustomer'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 and 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 enhanced situational awareness.

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.

Key features

- The fibre optic cable can be buried underground, or deployed along a fenceline 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
- 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
- Wavestore's any video, any format philosophy means it's 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
- 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
- Ability to customise actions to trigger events with any number of actions performed thanks to the Wavestore events engine
- One screen, total control – just one operator screen to seamlessly manage events from CCTV, fibre detection and other integrated technology. You can also view video of events in real time

WAVESTORE INTEGRATES

OptaSense Acoustic Fibre & PIDS

What to order

To enable OptaSense Acoustic Fibre & PIDS integration with Wavestore's VMS, please order the following for each Wavestore NVR/ HVR:

INT-WS-OPTASENSE-01 - Integration module for full two-way communication between Wavestore and OptaSense. Order one per Wavestore NVR/HVR.

The OptaSense integration module is compatible with Premium, Enterprise and Ultimate level channel licenses.

If you require any additional assistance, please contact Wavestore via: info@wavestore.com



About Wavestore

Wavestore, the British developer of innovative open platform Video Management Software (VMS), supports you every step of the way to help you effortlessly unlock the full potential of your client's security solutions and maximise their return on investment, while providing you with a reliable and independent open platform VMS partner who can make even the most complex integrations simple.

Completely independent and open-platform, Wavestore's VMS delivers powerful video recording, storage and event management coupled with seamless integration to third party devices and sub-systems - including cameras, access control, advanced video analytics, intruder detection, EPoS and video walls, to name but a few, from the world's leading vendors.

Wavestore's 'One screen, total control' philosophy makes it possible to manage everything from the smallest standalone site to the largest and most complex multi-site and multi-technology security solutions efficiently and easily from a single client computer or mobile device, bringing together video, audio and metadata to fully meet the requirements of your specific application.

Website: wavestore.com

Contact: info@wavestore.com



About Luna Innovations

Luna Innovations' OptaSense technology 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 fiberoptic cable. The minute strains cause subtle modulations of the backscatter that are then measured by the IU, thus sensing the acoustic/ seismic signal.

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WST-0101-04

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