


## OPTASENSE FIBRE-OPTIC SENSING INTEGRATION

POWERFUL INTEGRATED SOLUTIONS FOR VIDEO SURVEILLANCE AND PERIMETER SECURITY



Detect threats to vast perimeters or borders using fibre optic acoustic sensing technology.

### OVERVIEW

CathexisVision's integration with OptaSense distributed fibre-optic sensing (DFOS) enhances perimeter security by using alerts based on acoustic signals to trigger CathexisVision system events.

OptaSense uses distributed fibre-optic sensing to identify and locate threats in real time, with point-locating capabilities up to 10m. This technology has both industry and security applications, including perimeter security, border security, and strategic asset protection. OptaSense's advanced Perimeter Intrusion Detection System (PIDS) detects activity and classifies on stealth approach, personnel, vehicles, and manual or mechanical digging.

Data from the OptaSense software package is sent to CathexisVision, where alerts can be used to trigger CathexisVision system responses, such as recording cameras, calling the base station, or sending notifications. Alert information from OptaSense is safely stored in our secure, forensic database, alongside video footage associated with the events.

As perimeter security technology continues to advance in complexity and capability, CathexisVision offers a cost-effective and efficient security solution for managing multiple systems from one streamlined interface.

### SUMMARY

**PARTNER:** OptaSense  
**TYPE:** Distributed Fibre-Optic Sensing  
**PACKAGE:** CathexisVision 2017.2 and later

### INTEGRATION CAPABILITIES

- Monitor CCTV and perimeters on a single system which provides video verification of events.
- Search and filter the database to find OptaSense events and associated video footage.
- Generate reports in CathexisVision on data received from the OptaSense software package.
- Add device to a site map.
- Create unique actions triggered by OptaSense events, such as:
  - Record or control cameras
  - Send event info to local or off-site control rooms
  - Send email or SMS notifications
  - Play audio clips



[For more details click here](#)

# Integrated Solution

Enhancing efficiency and effectiveness to address your security challenges.



## CATHEXISVISION MAJOR FEATURES



Enterprise, multi-site architecture



Video analytics / AI



SMART forensic search features



Alarm / event management



Cybersecurity



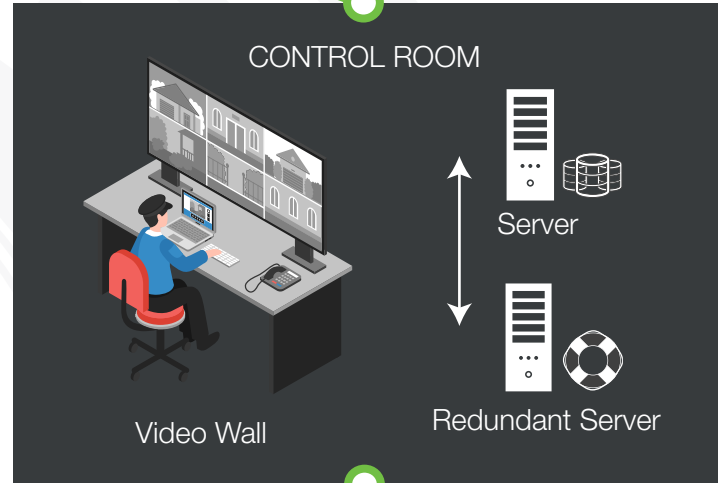
Mobile



Client Viewing



Client Viewing



Third-party systems integration



Video



Event triggers



Map interface



Off-site and multi-site monitoring

OptaSense®



## Perimeter Monitoring

### Alert data received:

- ID, Time, Start/End
- Alert type & level
- CPS
- Start/End channel
- Start/End optical distance
- Start/End latitude & longitude
- Scale point,
- Zone name,
- Speed,
- External type, External ID.