PORTS AND HARBOURS
Powerful Surveillance Solutions for Ports and Harbours

Cathexis is an electronic and software systems development, and manufacturing company, specialising in video surveillance solutions, for the international market. Its flagship software suite, CathexisVision provides a powerful IP Video Management Solution with an extensive range of options, tools and functionality to satisfy all security and infrastructure management requirements.

CathexisVision offers a unique and comprehensive bouquet of security services for ports and maritime security. With a significant portion of world trade transported by sea, the importance of surveillance security cannot be underestimated. Ports demand the very latest in CCTV surveillance technology to maintain the highest levels of security.

CathexisVision Features

The CathexisVision IP Video Management Software provides the surveillance solutions that meet the high security demands required for these environments through the following features:

• Multi-Tier System Management
• I.P and Analogue CCTV Hybrid Solutions
• Megapixel Camera support
• Smart Video Analytics
• Unlimited Scalability
• Object Counting
• Third Party Systems Integration
• Remote and Multiple Site Management Capability
• Failover for Complete System Redundancy

Meeting Ports and Harbours Requirements

• Power with flexibility
• Full functionality in high-risk environments
• Integration with goods scanning systems
• Integration with weighbridges
• Integration with access control
• Remote Health Monitoring

Ports and Harbour Requirements

• Effective security and surveillance management
• High level control room environment
• Restricted area employee and visitor management
• Free flow of people traffic from critical entry and exit points
• Flexibility and scalability to accommodate facility expansion

Ports and Harbours Solutions that go beyond Surveillance

For Ports and Harbours, the CathexisVision open platform allows for a customisable solution that meets the demands of different applications, including security, traffic flow and emergency services

Video Analytics

Cathexis offers a range of video analytics to improve the effectiveness of the system, including:

- Analytics on vehicle movement, parking
- Smart Video Motion Detection
- Abandoned Object Analysis
- Post Object Search

The system also integrates with several specialised analytics devices. The analytics software provides triggers to the system. This enables it to take user-defined actions depending on the specific trigger received, including:

- Notify a control room gateway
- Move PTZ camera to preset position
- Send an alarm to a selected recipient
- Send an SMS or email
- Switch selected cameras to selected monitors
- Switch a device on or off

Integration

One of the major differentiating features of Cathexis, is the capability to integrate various third-party systems. Integration is enhanced by predetermined actions upon information received from various systems and the association of specific actions for events. Third-party system integration for effective control room monitoring, includes:

- IP Cameras
- Access Control
- Fire Panels
- Alarm Panels
- Weighbridges
- Perimeter Protection
- License Plate Recognition

Interactive Graphical Interface

The interactive user interface provides a visual representation of single or multiple sites. Operators can navigate through multiple layers of maps to selected sites, drag-and-drop cameras to selected monitors, control outputs, and move PTZ cameras. Users can also navigate multiple sites throughout the enterprise with the map facility.

Health Monitoring

The Cathexis solution provides continuous monitoring of all the components, including hardware and software integrity, providing automated warnings of any possible impending failure. Maintenance engineers can perform corrective maintenance before the system fails.

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