



GOVERNMENT

Powerful Surveillance Solutions Government Facilities



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 comprehensive suite of services, specifically tailored to this high security sector and has been entrusted with the safety and security of people and assets in a wide variety of government institutions around the world including: buildings, facilities and operations.

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:

- I.P and Analogue CCTV Hybrid Solutions
- Megapixel Camera support
- Smart Video Analytics
- Video and Audio Monitoring
- Emergency / Panic Button Facility
- Access Control Integration
- Remote and Multiple Site Management Capability
- Centralised Alarm Management
- Third Party Systems Integration
- Movement Detection Algorithms
- Restricted Area Management
- Sophisticated Health Monitoring
- Mobile Connectivity
- Black Screen Alarms on Video Wall
- Scalability and Flexibility

Meeting Government Requirements

- Security Management
- Exceptional Integration Capability
- Perimeter Protection
- Health Monitoring
- Abandoned Parcel Detection
- Loitering Detection
- People and Traffic Flow
- Full Integration Capability

Government Facility 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

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Government Solutions that go beyond Surveillance

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

Video Analytics

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

- Analytics on vehicle movement
- Smart Video Motion Detection
- Abandoned Object Analysis
- Post Object Search
- Camera Tamper Detection

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

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.

Disclaimer: While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit, nor implied. Specifications are subject to change without notice.

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 systems for control room monitoring, include:

- IP Cameras
- Intruder and Access Control
- Fire Panels
- Alarm Panels
- Perimeter Protection
- Legacy Integrations

