

POWERFUL VIDEO MANAGEMENT SOLUTIONS FOR
PROPERTY



CathexisVision®
Video Monitoring Solutions

Protect residential and commercial property with the **CathexisVision** solution.



Our video management software **monitors and protects** the perimeters, grounds, and buildings of **small and large properties alike** - from retail centres and residential estates to industrial sites and office parks.

The power of CathexisVision lies in its ability to offer speed and efficiency in **one fully integrated solution**.

A series of pre-determined actions based on alarm triggers accelerates **operational efficiency** and facilitates speedy control room responses.

Exceptional integration capability, real-time monitoring, and the ability to operate reliably in any climate, make Cathexis a leading global provider of **property security solutions**.



CathexisVision **does the analysis for you**, optimising the control room environment.



Fast, **real-time alerts** allow response teams to react quickly to incidents.



System reliability and **low maintenance** maximise up-time and cost-effectiveness.



By performing automated functions, **video analytics** create an easy-to-monitor site.



Cybersecurity and privacy features help you address **compliance and data protection**.



Third-party systems **integration** amplifies the value of the CathexisVision solution.



The solution can be **tailored** to meet your site's unique needs.

Protect people and keep grounds, buildings, and assets **secure at all hours.**



Perimeter Monitoring

- Integration with **electric fences** protects property perimeters.
- The **Video Analytics suite** identifies whether motion approaching the fence is caused by a person, animal, or vehicle, and detects presence in forbidden zones. This systematic approach to detection using intelligent technology allows hundreds of cameras to be monitored simultaneously.
- Lights and alarms can be configured to respond automatically to security threats.



Video Analytics

- **Deep learning neural networks** analyse footage and enable the system to create alerts when unusual activity is detected. This reduces human error and ensures greater accuracy in detecting security breaches.
- **Artificial Intelligence algorithms** are able to **detect motion, identify objects or human presence** in designated zones, and differentiate humans from animals at property perimeters. Specific rules can be applied, such as detecting loitering or stopping in a certain area.
- These tools work together to **detect threats**, such as people entering forbidden areas containing valuable assets, or unusual activity after hours.



CathexisVision provides
24/7 vehicle management for
residential or commercial properties.

- **Automatic Number Plate Recognition (ANPR)** manages automatic actions for recognised plates: boom-gate access may be granted when a plate matches an authorised list, or an alarm can be triggered when a denied plate is detected.
- Text **overlays** display resident or staff information over video footage of vehicles entering and exiting.
- The **Object Classification** algorithm allows operators to search for vehicles by type and by colour, and to **track speed** and direction, as well as vehicles entering or exiting a forbidden area.
- Find license plates with CathexisVision's comprehensive **database search** facility.

Through CathexisVision, manage multiple **integrated systems** and **automate actions**.



Cameras

- CathexisVision integrates with **specialised analytics devices** such as ANPR, thermal, and bullet cameras.
- The software continually evolves to incorporate advances in camera technology, supporting products from over 70 manufacturers.



Access Control

- Store information from every entrance and exit on the database, and automatically respond to incidents on booms, gates, or doors.
- **Actions** include playing notifications, moving a PTZ camera, or triggering an **alarm** and alerting the operator with **video verification** of the event.
- Overlays show identification information when registered users enter and exit.



Fire and Alarm Panels

- CathexisVision provides immediate **video verification** of fire alarm events, facilitating **rapid and accurate responses** to safety concerns.
- CathexisVision can integrate with traditional fire systems that detect physical smoke, as well as fire and smoke analytics, where video footage is used to detect smoke before it reaches a detector.
- Fire alarms and alerts are received by CathexisVision from third-party fire management systems, and saved in the database together with video footage.



Optimised Control Room

- CathexisVision's **user-friendly interface** enables simultaneous connection to multiple sites with **concurrent** viewing of cameras from these locations.
- Multi-layered, interactive **Maps** allow users to investigate areas of interest by clicking on an area, zooming in, and viewing selected cameras. Maps provide graphical **alerts** from system events and allow users to control devices.
- The **Alarm Management Gateway** is a complete event management solution, allowing users to assign priority levels, cameras, and maps to events. When an event is received, operators are automatically guided to the camera and/or map, and procedures will be presented. All events and operator activities are databased.
- The **Video Wall** facilitates the control of many monitors from a single “mimic” panel, and enables tours of cameras and layouts on selected panels or monitors. On events, cameras can be automatically switched to selected monitors.



Using the CathexisVision solution, operators can:

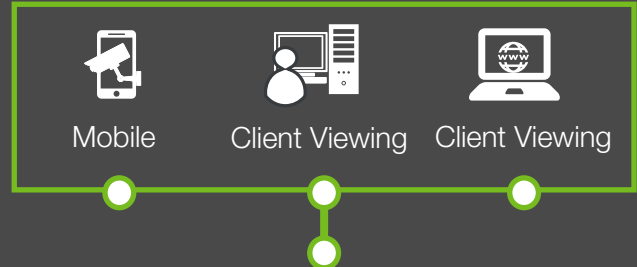
- Use **Adjacent Camera Mapping** to track people or vehicles across cameras.
- Find footage of specific incidents using **Smart Search** tools.
- Quickly **review footage** on one or more cameras.
- Control **PTZ cameras** for object tracking.
- Trigger commands in **response to unusual activity** after hours or in areas that should be vacant, or detect abandoned objects and loitering.
- **Archive video** to media devices across one or more cameras.

Powerful, integrated CathexisVision solution

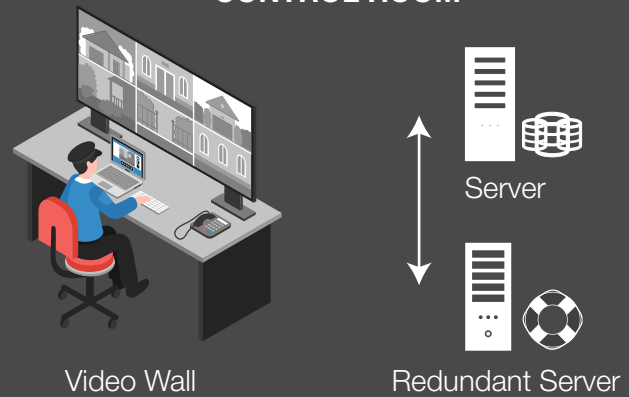


CATHEXISVISION MAJOR FEATURES

-  Enterprise, multi-site architecture
-  Video analytics / AI
-  Smart Search features
-  Alarm / event management
-  Cybersecurity



CONTROL ROOM



THIRD-PARTY INTEGRATIONS

-  Parking systems
-  Automatic Number Plate Recognition
-  Video Analytics AI Algorithms
-  Intercoms
-  Access Control
-  Perimeter Monitoring
-  Alarm Management
-  Point-of-sale