

POWERFUL VIDEO SURVEILLANCE SOLUTIONS FOR  
**HOSPITALITY**



# With CathexisVision, you can create a safe, efficient hospitality environment.

## Our smart technology and management tools **protect staff and guests, enhance operations and reduce risks to infrastructure.**

The **CathexisVision** Video Management Software (VMS) solution can ensure the **security** of your hospitality site, improve **operational efficiency**, and provide a **better experience** for guests, visitors and staff. Linking CCTV surveillance to a powerful range of operations, CathexisVision can manage systems across all areas of a site.

From access control and automatic number plate recognition, to perimeter monitoring and point-of-sale - whatever your site's needs, CathexisVision provides an **integrated, comprehensive solution** to ensure a facility that runs smoothly and safely.



CathexisVision **does the thinking 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.

**CathexisVision keeps all areas of your site secure, at all hours.**



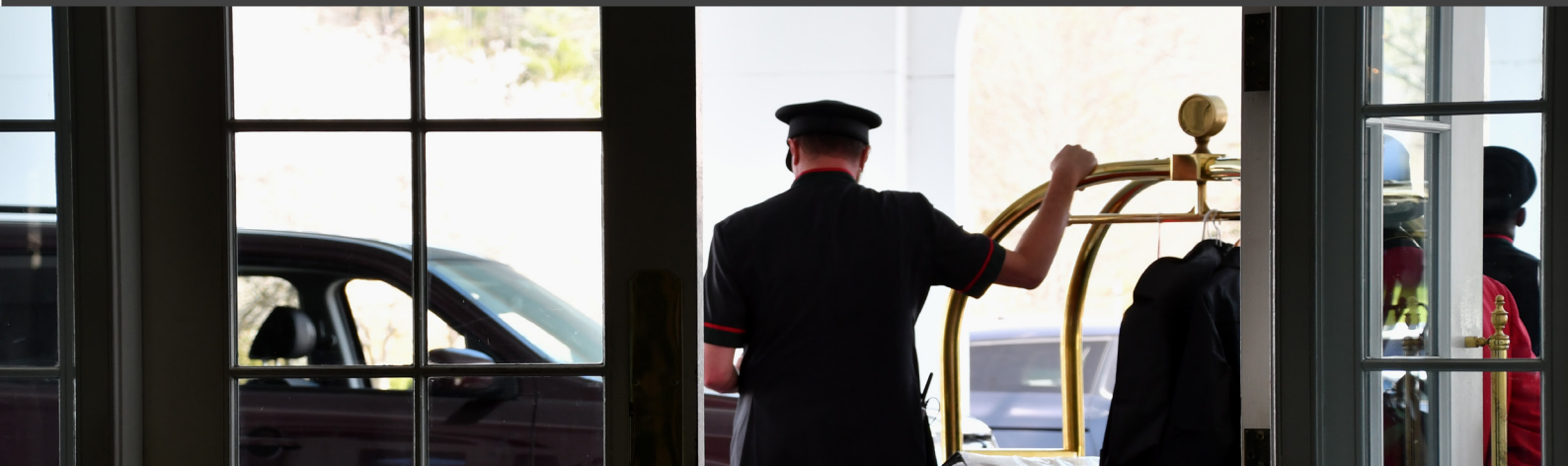
## Perimeter monitoring

CathexisVision's sophisticated tools work with normal or thermal **cameras** to give real-time alerts, assisting staff in making informed decisions to protect the site's perimeter. CathexisVision's in-house engineered **video analytics suite** can be configured to detect people **crossing perimeter boundaries**. The software integrates with third-party **electronic fence monitoring systems**, amplifying **security** when used with video analytics. These methods, along with the control room and alarm management solution, speedily guide operators to areas of concern, allowing them to take **immediate action**.



## Protecting public spaces

Scenes in public areas of hospitality sites can be unpredictable, and there may be **hundreds of cameras** to monitor. With CathexisVision, operators can **allocate cameras** to users, **view events** and **take action**. Through video analytics (with AI algorithms), the system can create **alerts** in response to unusual activity. Our **search tools** empower operators to easily find footage of incidents. Complex procedures, such as arming intrusion panels, can be performed locally or remotely from CathexisVision. Integration with intercom systems enables operators to use bi-directional audio communication.





## Permit only authorised vehicles to enter, and keep traffic lanes safe for everyone.



### ANPR

CathexisVision's **Automatic Number Plate Recognition** complements the surveillance solution. Licence plates can be compared to **lists of plates** in configured **groups**, such as staff or contractors. Automated actions can be configured for when a recognised plate falls within a designated group. For example, one may want to raise an **alarm** when a plate from an unauthorised group is detected. Conversely, a gate can be **opened automatically** for guests or staff. The software also offers a comprehensive database **search facility** for finding license plates.

### Detect speeding

Our speed algorithm provides alerts and recordings of vehicles travelling at speeds **higher** than a set limit. Although this is not to be used for law enforcement, it can **alert operators** to unusual behaviour, and keep lanes **safe for pedestrians**.



### Identify objects

The Cathexis AI **object classification algorithm** allows users to search for vehicles by type (for example car, truck, motorcycle, bicycle, or person). The algorithm also enables **searching** by colour, such as finding all “red trucks” within a specified time period on a specific camera, or across multiple cameras.





**Harness the power of integration to tailor your solution.**

Users can **configure actions** in response to input from **third-party systems**.

### **Analytics & cameras**

CathexisVision integrates with many IP cameras and, in addition to our powerful **analytics** suite, integrates with **specialised analytics devices**.



### **Access Control**

By integrating with **several premium access control systems**, CathexisVision can automatically respond to incidents such as anti-passback or after-hours activity. **Actions** include playing notifications or moving a PTZ camera. For example, if someone tries to enter an unauthorized area, an **alarm** can be triggered, and the operator can be alerted immediately, with information and **video verification** of the event. Users can search the integration database for footage of specific events.

### **POS Monitoring**

Cathexis has long provided **point-of-sale (POS)** solutions to the retail and hospitality sectors. Integrated POS solutions **log the details of each transaction** with the associated **video**. This databased information can be **searched** using filters such as date, time, till/transaction number, operator, voids, and item product code.





An integrated CathexisVision solution identifies threats so they can be dealt with quickly.



### Attack alarm systems

CathexisVision integrates with **staff attack alarm systems**, so that alerts can **flag on the operator's screen** with an interactive site map showing the event's **location**. Associated footage will automatically be **dated**, a case number can be allocated, and all evidence can be stored or escalated to management. The system can also **notify other staff members** that help is required.

### Alarm panels

Intruder alarm panels covering **several buildings** can all be integrated with CathexisVision. Operators can be notified when an alarm is triggered, with map location and footage from the nearest CCTV cameras.



### Smoke and fire detection

Fire and smoke alarm panels need to be monitored across buildings, and **investigated immediately** to protect guests and staff. By integrating with smoke and fire alarm panels, CathexisVision can immediately show operators which unit has been triggered via the Alarm Management Gateway, and display map locations and associated footage. Operators can thus easily confirm whether alarms require an **emergency response**.







CathexisVision provides a **user-friendly interface** with which to manage the entire solution, and enables simultaneous connection to multiple sites with **concurrent** viewing of cameras from these locations.

A multi-layered **map** allows users to investigate areas of interest by clicking on an area, zooming in, and viewing selected cameras. The map provides graphical **alerts** from system events and enables users to control third-party 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 will be 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.



## Optimised control room

## Using our 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 forensic search features



Alarm / event management



Cybersecurity



Mobile



Client Viewing



Client Viewing

