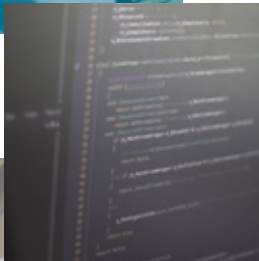




# Enterprise-level video management solutions tailored for distinct verticals

Sophisticated video management systems combining our long-standing expertise in AI, machine learning, cloud computing and virtualisation.

# Company



## Who we are

**Luxriot® is a leading developer of high-performance video management solutions, providing superior value and outstanding service to both private and public clients around the world.**

In 2005, we launched Luxriot VMS, our first video management product. Since then, we've been constantly enhancing the functionality of our software and adapting it to the distinct needs of our clients, who work in a wide array of industries. Luxriot solutions are currently in use in 196 countries, managing millions of cameras around the world.

In 2016, we presented Luxriot Evo, our new-generation convergent video management ecosystem. Breaking new ground in the evolution of video management software, it also marked a change in our approach — from selling ready-made products to designing custom-tailored solutions able to serve a fleet of up to 100 000 cameras.

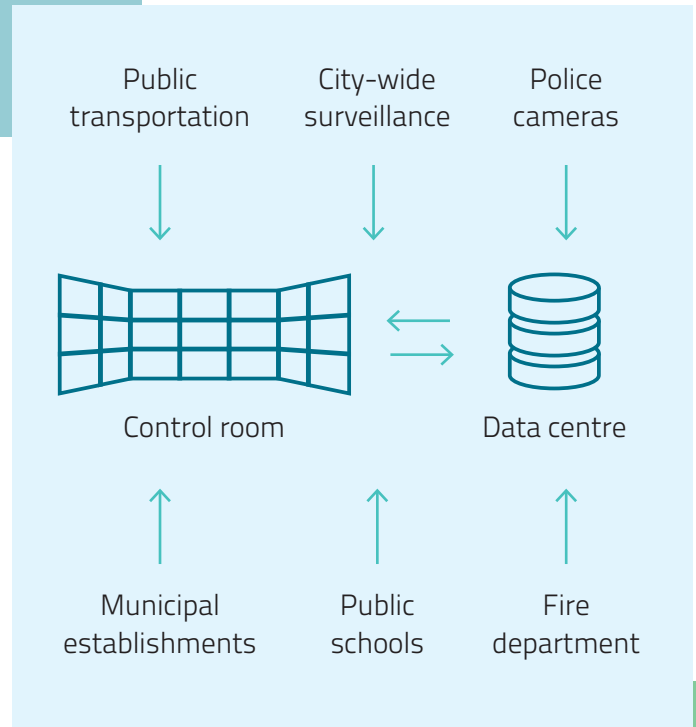


The Luxriot logo is a multicoloured heavily zoomed-in pixellised sloping grid that symbolises our attention to details and motion.

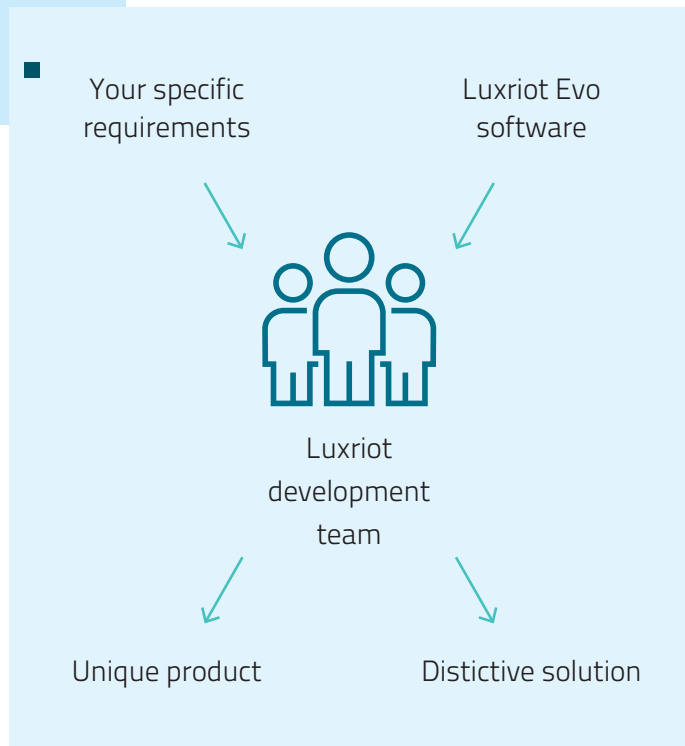


## Convergent solutions

Luxriot offers much more than great video management software. We provide comprehensive solutions tailored to the precise needs of our customers — as ambitious as they are! Powerfully smart, our solutions can collect and process video from up to 100 000 cameras distributed across a number of different subsystems. Combining all your streams and video management activities into a unified system with a single archive means reduced maintenance costs, stronger security and much broader analytics possibilities.



Combine all your video data on a secure data server and exploit the full potential of advanced analytics and diverse integrations.



Having worked with a variety of industries, we know the quickest route to fulfil your needs.

## Customisation process

Whether you're a retail chain wanting to keep precise track of point-of-sale activity in your shops or a local government body looking to make your video management system smarter across the city, Luxriot is here to help. Based on your requirements, we will develop a solution enabling you to stream, collect and analyse video and other data from various sources in a single user-friendly cloud interface. From system planning and custom software development to to-the-point consulting and reliable support — we'll take care of it all.

# Luxriot Evo

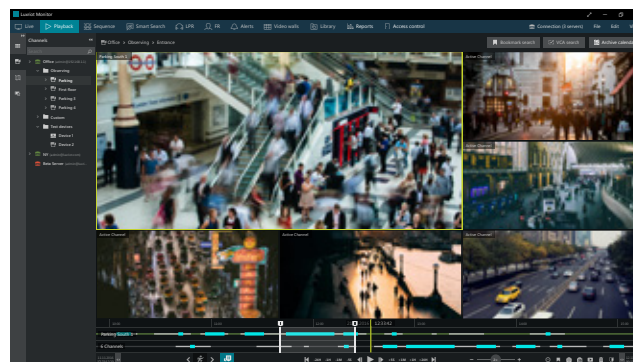
## Convergent video management ecosystem

**More than fifteen years of Luxriot expertise — all combined in Luxriot Evo.**

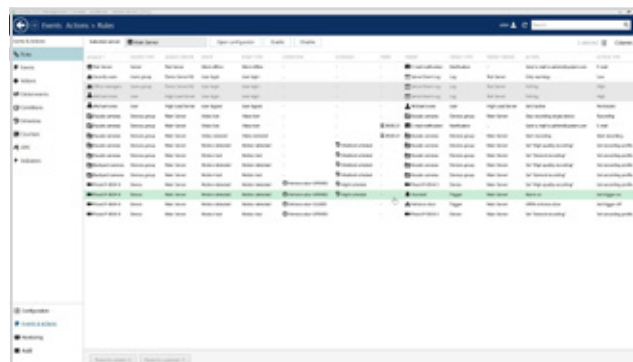
Our team has always been driven by a commitment to precision and innovation, as well as a determination to deliver top-quality solutions to our clients. Using our experience of thousands of projects around the globe, we have perfected our software to match the latest industry trends and the particular demands of our customers.

Luxriot Evo is a complete video management ecosystem, offering superior value and outstanding service experience. Combining the cutting-edge developments in machine learning with cloud computing, Luxriot Evo is designed to put your mind at rest.

Combine all your video management activities into a unified virtual ecosystem with an efficient scalable architecture, intuitive interface, advanced security features, powerful analytics modules and extensive possibilities for integration.



The Monitor application is the main tool enabling users to interact with the Luxriot Evo system.



The Console application is the central tool for Luxriot Evo system setup and configuration.

# Intelligence

Powerfully smart, Luxriot Evo supports almost any camera, and has a wide range of advanced features and a long list of add-ons, enabling more efficient video management than you will ever have encountered before.



## Complete ecosystem

The software is packed with essential and advanced features to allow you to make the most of your video management system, regardless of how extensive it is



## Intuitive and user-friendly

The meticulously designed interface helps users to quickly understand the whole configuration process and start using the software



## Time-tested performance

The quality and stability of the software's core has been proved, and is backed up by Luxriot's fifteen years of experience and continuous development



## Enterprise ready

With its central server hierarchy, failover, archive replication and many more improvements, it's the ideal system for large-scale solutions

# Highlights

Luxriot Evo's key integral elements work together to create a cohesive and up-to-date piece of video management software. When it comes to security, we know that every detail is important, and everything is taken care of.



## 64-bit core

Using the full power of hardware for efficient software architecture



## Powerful analytics tools

New modules for advanced video analytics, along with face and licence plate recognition



## Event and Action Manager

Automated video surveillance process using the Alarm and Action manager



## Failover

Constant monitoring of the status of all servers and failover management from the central server



## Archive replication

Advanced mirror recording with scheduled transfers ensures your data is always safe



## Integrations and API

Enhance your video management with a vast range of integration possibilities for third-party software



**LUXRIOT EVO  
FEATURES**

## Luxriot Evo, a Complimentary Edition

Delivering outstanding-quality performance, this video management system supports over 5000 cameras from major vendors and is ideal for use at home or in small offices, with surveillance networks of up to nine cameras.

### Mobile Applications

Use your mobile device to access live and archived streams. Use PTZ presets, control two-way audio, or use a mobile phone camera to stream video directly to your server.

### Web access

Get permanent access to live streaming and archive video through your web browser

### Live Podcast

Use a streaming server to send a livecast of your video to a website or to YouTube.

For more information and free download visit [luxriot.com/product/luxriot-evo/](http://luxriot.com/product/luxriot-evo/)



**LUXRIOT EVO  
FEATURES**  
**LUXRIOT EVO S  
FEATURES**

## Luxriot Evo S

To all the benefits of the high-quality and reliable Luxriot VMS core, Luxriot Evo S adds an intuitive user interface and better functionality. In addition to advanced features, it can use virtually any stream resolution, as well as having no software limitations on remote connections from client and mobile applications.

### Video Content Analysis

Exploit the full potential of your video management system with video content analysis. Not only does this improve the functionality of your surveillance system (the ability to analyse large amounts of data to determine a specific pattern for the exact task you are working on), it also enhances security and safety and can be useful in many other areas of your enterprise, like HR and marketing.

### Maps

Complete overview of all areas where cameras are installed, providing immediate visual verification. All the alerts are integrated with the maps and can be set up so that they can be viewed on the overview as well — meaning you are able to immediately specify the location of the alarm event.

### Advanced Event and Action Manager

Specify the desired outcome of your video surveillance system's operation. Determine how the software reacts to any event caught on camera and how it learns to process the reactions automatically. Send emails, activate DI/DO, interact with any other software or simply bring the attention of the operator to the camera that requires immediate action from them. The functionality is used in order to get rid of false alarms and to improve the efficiency of your surveillance system, and can be used not only for single events, but also for sets of sequenced events.

### Integrations and API

Luxriot offers customisable integration with other software systems in the form of a Luxriot HTTP API.

### Edge Recording

Synchronise all your data with IP device storage. By doing this, your data will still be recorded by all cameras even if network connection is lost to any of them. Data recorded during this period will be transferred in full to your server as soon as network connection is re-established.

### Alarm Acknowledgement

Ensure no events are overlooked by the operator. All the alarms must be confirmed by the operator by automatically generating a bookmark of the event in the archive. The operator can make entries in the journal to allow tracking of actions performed with regard to the events.

For more information and demo download visit [luxriot.com/product/luxriot-evo-s/](http://luxriot.com/product/luxriot-evo-s/)



## Luxriot Evo Global

Luxriot Evo Global is a complete surveillance ecosystem solution for enterprises of any size, even those distributed across multiple sites. The software was designed using Luxriot VMS as a core, a system whose quality has been proven worldwide over the last decade. The new version of the software, Luxriot Evo Global, not only offers 64-bit speed and all the necessary tools for setting up an absolute situational alertness system in order to respond quickly to events, but also introduces a central server governance hierarchy for all components.

### LUXRIOT EVO FEATURES

### LUXRIOT EVO S FEATURES

### LUXRIOT EVO GLOBAL FEATURES

#### Video Wall

Get the most out of the video wall in your control room. Luxriot Evo Video Wall offers improved configuration and functionality, as well as the ability to easily manage large-display installations. It is vital for operating large-scale video surveillance systems, especially where having the ability to easily examine the area and quickly react to alarm events is essential.

#### Failover

Automated recovery of your system in the event of a sudden server failure. Luxriot Evo Global carefully tracks all the servers' operations, and, if any of the servers fails, it quickly activates a spare server to perform the actions that the malfunctioning server was performing prior to failing.

#### Advanced Health Monitoring

Keep your finger on the pulse of all of your hardware at once, minimising the risk of inconvenient surprises, and keep track of the state of the whole video surveillance system.

#### Multicast

Make full use of the multicast environment by transmitting to different destination devices (both servers and cameras). The functionality allows for fully integrated work with large enterprise environments using Active Directory or LDAP technology.

#### Organisation Hierarchy

The functionality allows the construction of a more structured hierarchy of system rights and privileges among users within an organisation. The group's administrator (or sub-admin) rights are also specific for each group, and thus are valid only for the chosen range of cameras and servers.

#### Archive replication

Turn your local recording server into a buffer server. In large enterprises, this enables convenient local usage and scheduled or constant data transfer to Central Data Centre, whenever the network is available.

This is one of the most comprehensive enterprise-level video management solutions on the market, featuring interactive maps linked to alarms; an advanced event and action manager; analytics tools; video wall support and other components you will definitely appreciate. To ensure the safety of your data, the software also offers edge recording to synchronise all data with IP device storage, archive replication, advanced system health monitoring and failover, which will reduce disruption of your video surveillance recordings to zero. All this, plus various customisation possibilities and Luxriot's flawless technical support — Luxriot Evo Global is a video surveillance solution you can count on.

# LPR Module

## Licence Plate Recognition

**Luxriot high-precision licence plate recognition software for detecting, registering and analysing vehicle licence plates.**

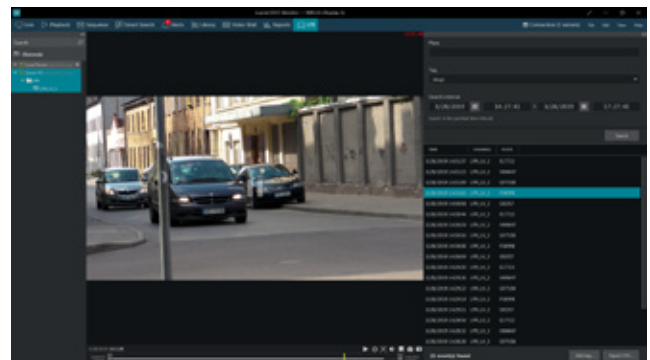
It offers a very high level of reading reliability, an intuitive installation process and great usability.

Luxriot Licence Plate Recognition Software is designed to work with a Luxriot Evo server. The software is ideally suited for vehicle access and traffic control, as well as for law-enforcement applications. We offer multiple customisation possibilities for specific licence plates and different types of vehicles (trains, cargo containers, etc.).

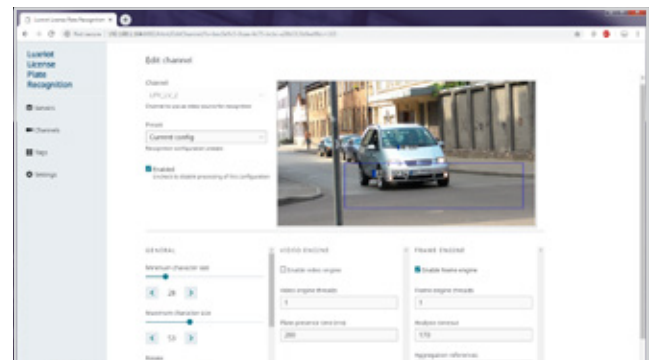
Additional features include an algorithm adaptive to lighting conditions, camera position and recognition area adjustment to optimise system load, as well as supporting local and remote lists of "allowed" and "restricted" numbers.

### KEY BENEFITS

- Powerful recognition engine with very low error rate
- A wide selection of supported IP and analogue cameras
- Intuitive user interface for easy setup, monitoring and data retrieval
- Simultaneous processing of multiple video streams



The Monitor application has an LPR tab to observe and review LPR video and generated events.



Configuring the video stream for LPR is an intuitive and effortless procedure.



# FR Module

## Face recognition

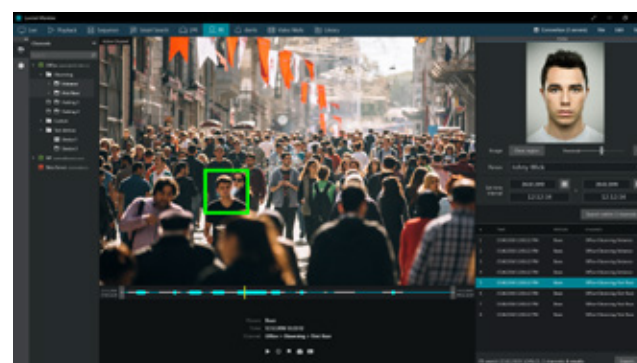
**Luxriot Face Recognition is a biometric application which ensures precise and fast face recognition and matching.**

It offers a very high level of reading reliability, an intuitive installation process and great usability. Designed to work with a Luxriot Evo server, the technology ensures high performance and precision in live face detection, simultaneous multiple face recognition and fast face-matching in one-to-one and one-to-many modes.

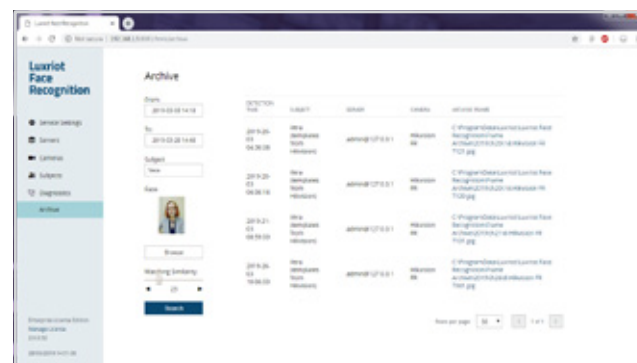
Luxriot Face Recognition is ideally suited for applications for human resource control, as well as for security and law-enforcement applications. It allows you to analyse both live and recorded video, process streams from multiple Luxriot Evo servers simultaneously and easily search and browse face images stored on local or central databases. If you want, you can use one of your own databases instead of the default one.

### KEY BENEFITS

- A wide selection of supported IP and analogue cameras
- Intuitive user interface for easy setup, monitoring and data retrieval
- Simultaneous processing of multiple video streams
- Flexible action configuration for a vast range of person tags



The Monitor application has a Face Recognition tab to observe and review FR video and generated events.



Configuring the video stream to enable face recognition is a self-explanatory and simple procedure.

# VCA Module

## Video content analytics

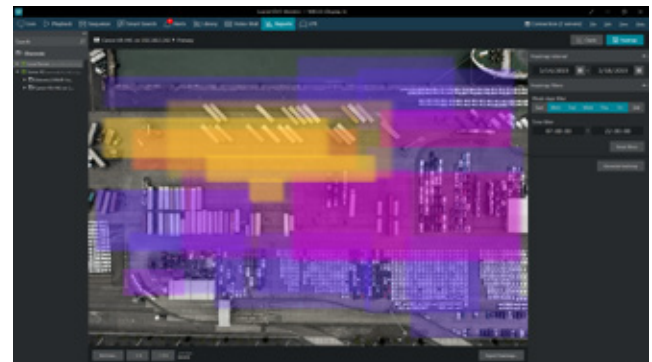
**Luxriot VCA is a real-time video analytics engine that utilises advanced image-processing algorithms to turn video into actionable intelligence.**

At the core of the product is an advanced object tracking engine that continually tracks moving and stationary targets. The Luxriot Evo software is highly effective in a wide range of surveillance situations involving people, vehicles and other moving objects. Comprehensive filters ensure that the system can recognise appropriate behaviours characteristic of different kinds of situations surveilled.

The module is suitable for many different market segments and there is no need for further customisation. The VCA enabled encoder/camera can be used as a stand-alone intruder sensor or the digital output contact can be set to react to specific triggers.

### KEY BENEFITS

- Data mining for post-event analysis and data management
- Automatic adaptation to varying lighting and weather conditions
- Sensitive tracking, with a low rate of false alarms
- Analytics stabilisation function for swaying cameras
- Compatibility with PTZ cameras



The Heat Map tab in the Monitor application outlines motion intensity by colour based on accumulated VCA data.



VCA data on accumulated events can also be presented for analysis in the form of charts and diagrams.

# API Module

## Vast integration possibilities

**Luxriot offers customisable integration with third-party software systems, enabling the creation of a single convergent video management solution bringing together multiple subsystems.**

The smooth interaction between Luxriot Evo ecosystem and third-party software offers virtually limitless possibilities for building a sophisticated video management system combining as many as 100 000 video streams. Luxriot's application programming interface module comes in a form of the cross-platform Luxriot HTTP API.

**Luxriot HTTP API** is a set of HTTP methods that enable interaction between third-party software and Luxriot Evo servers. Retrieve live and archived streams in HTML5-compatible format, control PTZ cameras, implement external services and benefit from other important functions. Luxriot's HTTP API allows flexible integration, with no additional Luxriot components required for communication with Luxriot Evo servers.

### KEY BENEFITS

- Cross-platform interface
- HTTP Methods
- HTML5-compatible video streams
- Future-proof interface
- No additional components required



API

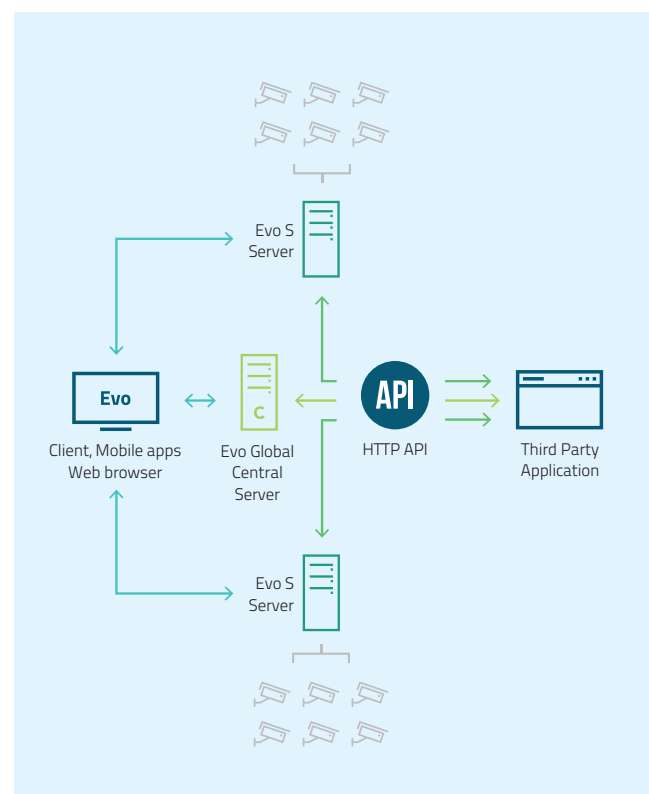
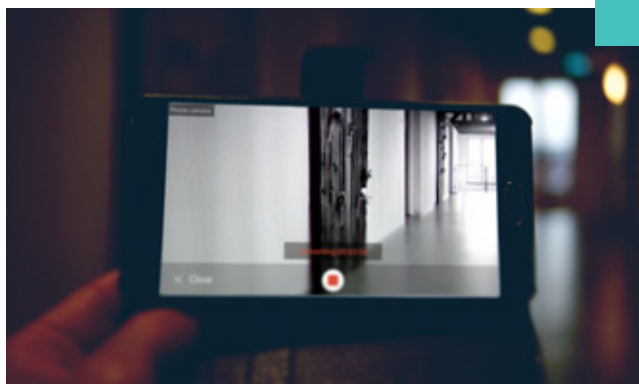


Diagram of Luxriot Evo HTTP API

# Evo Mobile



The livestreaming function coupled with in-app edge recording makes the app especially useful for law enforcement, allowing users to use smartphones as body-worn cameras.



You can use phones running Luxriot Evo Mobile as dashcams for fleet vehicles (trucks, delivery cars, taxis, public transport) for a simple and cost-effective vehicle tracking solution.

## Live-stream on the go

**Take advantage of this easy-to-use app for Android and iOS to access live and recorded video streams from Luxriot Evo Server with your smartphone or tablet. Use for free, no matter where you are.**

With Evo Mobile you are always in control of the situation. Connect using 3G, 4G or WiFi to livestream from one or multiple cameras, or to play back recorded video. Set up multiple servers, freely adjust stream quality to match your bandwidth and share snapshots in the blink of an eye.

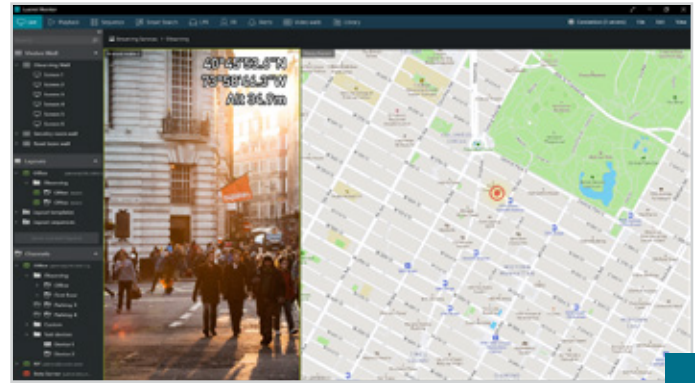
New and exciting features include geotagging, stacking, a panic button, push event notifications, edge recording and live streaming from the phone's camera, not to mention support of widgets and Chromecast.

The same shared code base is used for Mac OS thin client application.



## Geotagging

GPS data can give definite proof of where the video was filmed. The data will be attached to the livestream and archived if recording is enabled. You can also create a geomap on your Evo server to enjoy an interactive device label displaying its current position.



The GPS data of your mobile device get attached to the video stream.



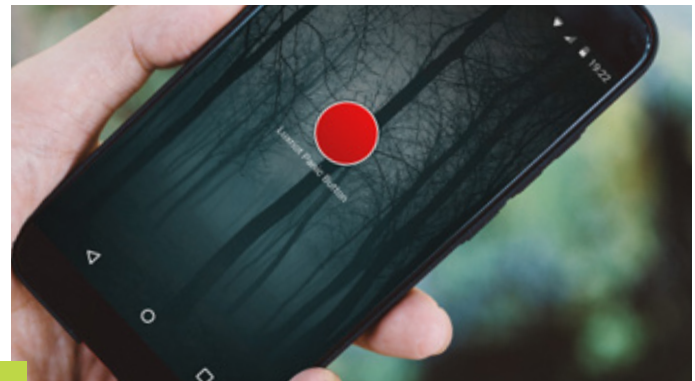
The function can be equally useful for security and promotional purposes.

## Chromecast

Throw content onto the big screen with just one tap! The app allows you to cast any video from your Evo server to any Chromecast compatible device. All you need to do is connect to the target network, select the video channel to cast and voilà!

## Panic button

In case of emergency, tap this button on your touchscreen to send an alarm notification and start streaming geolocated video to an Evo server. Whether you're a lone worker or a top manager leaving the office late at night, this function could prove indispensable.



Once started, the video, audio and geolocation info will keep on streaming until you stop it.

Download Luxriot Evo Mobile application for Android or iOS for free.



For more information visit [luxriot.com/product/ios-and-android-clients/](http://luxriot.com/product/ios-and-android-clients/)



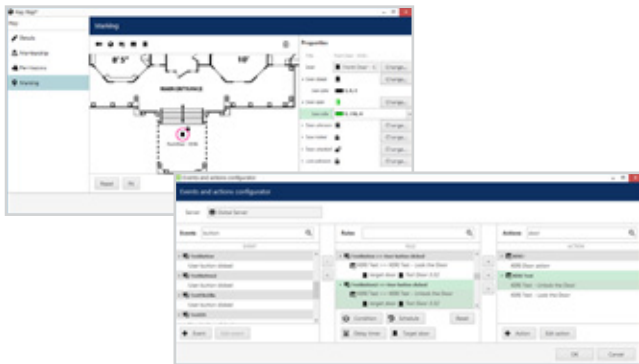
# Access control

## Taking smart security to the next level

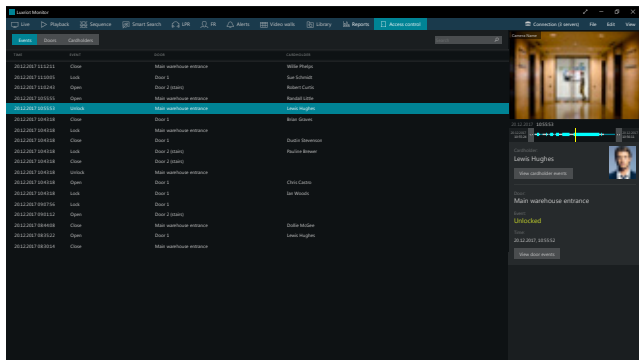
**Luxriot solutions allow for seamless integration with third-party access control systems to ensure higher performance and better situational awareness.**

The most obvious benefit of integrating video management and access control systems is a much better user experience within a unified interface. But that's just the tip of the iceberg. Due to a higher level of automation, the integrated system itself gains more efficiency. It executes routine operations and deals with emergencies with unsurpassed precision, and much faster than a human operator would. Less human interaction also means a reduced risk of security breaches due to human error or malicious intent.

The integration also enables you to set up proactive scenarios that will operate across the whole system. Using our intuitive configurator, you can define optimal responses to possible events. For instance, you can easily program the system to automatically lock specific doors once it receives notification of unauthorised access, or to carry out a partial lockdown of the facility if a video signal from a critical camera is interrupted. Moreover, by combining access control system events with relevant video footage, you get much richer input for subsequent investigation.



Using a map of the premises helps users to quickly configure access control elements and corresponding actions.



The Monitor application has an Access Control tab to observe and review LPR video and generated events.



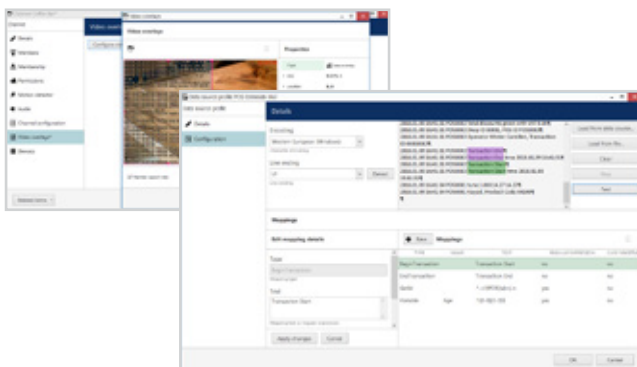
# POS

## The key to optimising your retail activity

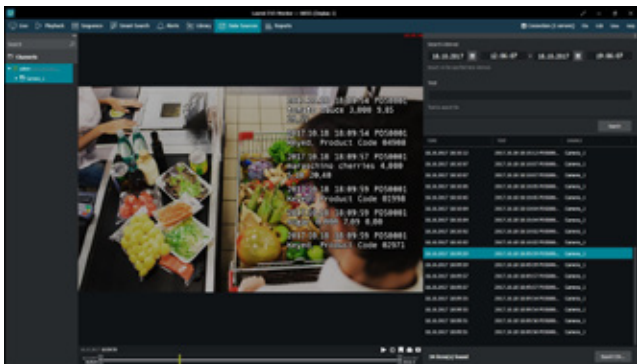
**Keep precise track of point-of-sale activity by integrating your video surveillance system with POS terminals.**

Whether your aim is monitoring the transactions that take place in a tiny café with just a single terminal, or the transactions of a large supermarket chain, at Luxriot we know an easy and cost-effective way to do it. Our solution enables transaction data overlay on live and recorded video streams coming from any number of IP cameras. The text search function allows you to easily find specific items and individual receipts, and to export the search results into a CSV file. You can also export archived video recordings with POS data overlay for further analysis or investigation.

Luxriot can offer advanced shopper flow analytics to those looking to optimise their retail operations. Using analytics data to improve customers' experience by reducing queues is the most obvious example, but it's far from the only one. By analysing the patterns of customer flow around your store, you can boost sales by adjusting the placement of displays and discount products. All this without any need to install additional hardware!



The POS data stream parsing configuration is very flexible, supporting the multitude of POS terminals available on the market.



The Monitor application has a POS tab, enabling users to observe and review POS video and generated events.