

# Solutions for Banks



Mirasys video management system (VMS) is used widely by several large banks in Europe. In 1998 Mirasys signed a public agreement with Finnish Banker's Association to develop a PC based digital recording system. Thanks to Mirasys' long history in providing VMS solutions for the banking sector, its current solutions have been built to reflect the feedback received from customers. Mirasys is able to enhance the system to meet the exact needs of the customer and then incorporate those to its standard offering.



Mirasys is still the largest provider of video surveillance solutions in the Finnish banking sector where nine out of ten largest banks in Finland use Mirasys.

In Sweden three out of the four biggest banks use Mirasys and in other Nordic countries Mirasys has many references.

Mirasys estimates that its systems are being used globally in more than 6.000 bank branches; other countries including Germany, Switzerland and Italy.

Having a long experience in banking, Mirasys offers certain commercial advantages relevant for the banking environment. As noted by a customer:

**“It is easier to face security challenges with a partner who knows your business and can give support exactly to the needs you have.”**

## Mirasys global perspective of banks' needs

### ■ Specialized security professional services

Ideally, banks want each abnormal event at local offices investigated by specialised security professionals. In most cases skilled security professionals are only centrally available.

### ■ Flexibility in building and rebuilding the office network

During the recent years' recessions, tighter productivity demands and increasing usage of online banking services; banks are considering the size and positioning of their branch office networks. During the 5 to 7 years or even longer investment time of the security system one cannot predict all the changes needed in the office network.

### ■ Gradual replacement investments

Due to the type of business banks' needs for security has always been strong and banks have had to invest into CCTV systems already long before the IP age. Cameras and other equipment need to be replaced gradually when the earlier investment becomes outdated.

### ■ Bank specific access control and intrusion detections wanted

Over time, security related systems like access control and intrusion detections have been specifically designed for banks' needs. As they still fulfill well the expectations, and people have used to utilize them banks do not want to replace the systems. When designing new security systems this type of integrations need to be taken into account.

### ■ Alarms need to be handle fast and efficiently

If something happens, it needs to be seen immediately. However, as every alarm will be taken with an extreme care the amount of false alarms should be as small as possible.

### ■ Total cost of ownership

Training costs, operational costs, required skills level etc. will affect the investment's total costs. To keep the total cost of ownership at a competitive level, a security system needs to be highly functional but easy enough to monitor at a branch office.

## Mirasys solution for banks

### Centralised video management

Mirasys' centralised video management system gives excellent networking and management possibilities for organising centralised security services and providing fast response times across regions and countries. Skills can be centralised in order to achieve the desired specialisation and intense capabilities. This will make the bank's responses to incidents fast, effective and low cost. Well architected user rights enables the bank's organisation to optimise the needed skills in each location, and the necessity to visit branches for forensic work or managing crisis situations in realtime can be eliminated.

### Flexible licensing scheme

You do not need to buy licenses in bundles. This gives more room when, for example, you need to increase the amount of cameras in your branch office network. You buy only the amount of licenses you need.

### Step-by-step implementation with twin-license

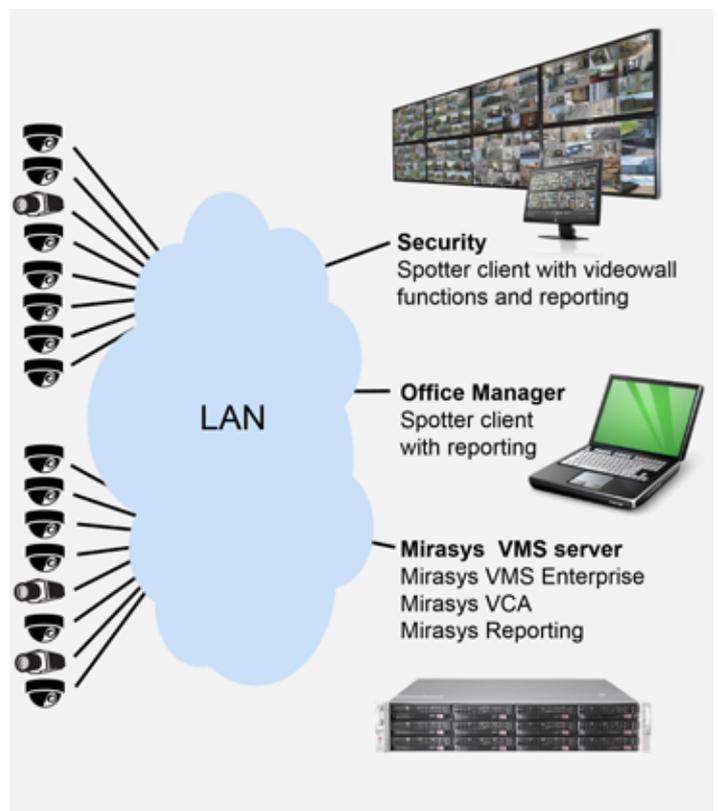
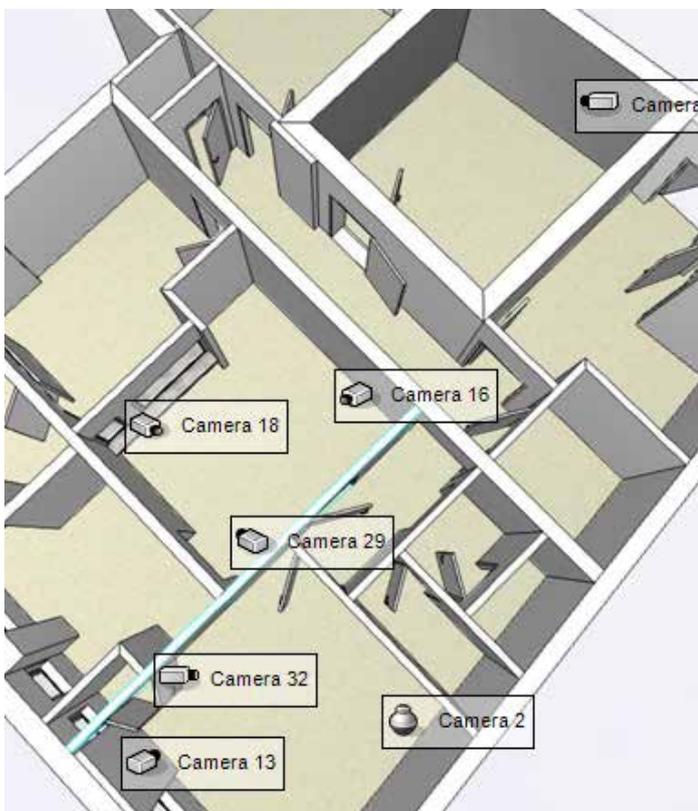
Mirasys Enterprise channel is a twin license - it supports the newest network (IP) cameras as well as analog cameras, allowing an easy transition between the technologies, which means low licensing costs. Mirasys has a long history and therefore complete understanding of analog, hybrid and pure IP solutions. Mirasys' ability to migrate analog infrastructure into IP world via small steps is a specific differentiation.

Based on the long experience of migrating large customer systems Mirasys has created an independent camera driver architecture. New cameras that can be used in the latest Mirasys VMS version can also be utilised in all the older versions still supported by Mirasys. So if a bank wants to use the latest camera models it is not always necessary to upgrade the Mirasys VMS version too.

### Open platform approach gives freedom of choice

Mirasys SDK is modular and open to integrations. It is easy to integrate with cameras and other systems from third party suppliers. For example, Mirasys supports thousands of camera models from leading manufacturers.

As Mirasys is focused on video surveillance only, it is both technically and commercially possible to integrate to any access control or intrusion detection systems banks have in use.





### ■ Advanced alarm management

In the banking environment the ability to use advanced alarm management is critical. Defining with the help of a calendar (date, time of day) how different triggers should be interpreted (day or night, branch office open or closed) significantly reduces the amount of false alarms. Another essential Mirasys element is the ability to mask the areas in camera views that trigger false alarms in different ways depending on the lighting conditions.

The system supports the following alarm sources: Cameras (image), microphones (sound), external devices such as detectors and card readers (through digital input lines and through text data), 3rd party applications (through integration API) and Video Content Analytics (VCA) algorithms.

The system is capable of activating multiple alarm responses simultaneously. For example, an alarm can result in several cameras changing their motion masks and in activating alarm recording in several cameras and microphones at the same time. The system includes an API to enable the delivery of alarm responses to third party systems.

### ■ Ease of the system affects the total cost of ownership

Mirasys is very easy to install and use. The installations and configurations are quick to learn and the system user interface is intuitive – allowing fast reactions when needed by Security Operators. Mirasys licenses are created according to the number of cameras needed. The licenses are not camera specific needing a mac address, for example. Therefore, replacing a camera to another is considerably easier to manage and finance than when you need to get a new license to a new camera.

When the Mirasys infrastructure has been set up once it will auto-upgrade both clients and servers if a version upgrade is needed. This will reduce the total cost of ownership as the need for onsite visits is reduced to hardware fix and repair. In case of hardware failures the system contains an automatic flash memory backup / restore functionality that automatically backs up the server settings. This can be used in case of hard disk or computer malfunction to restore the server specific settings and to reinstall the Windows operating system, the software, and system configuration. This speeds up any repair work needed and reduces dependency on expensive skill sets in field maintenance.

Renowned for the best usability in the industry, Mirasys products allow staff to focus on actual tasks without the need for expensive training, retraining or usability glitches.

Mirasys' target is to make the total costs of ownership efficient in every new release launched – for example by shortening installation and implementation time and developing usability.

### Mirasys has done business with

- 5 out of Global Top 50 banks
- 4 out of Top 6 Nordic Banks in Europe
- 3 Central Banks

Largest complete branch office network has included thousands of branches.

Largest complete ATM network has included thousands of machines.

Mirasys is recognised for its ability to migrate banks from Analog to IP world with controllable costs.

Mirasys always works together with a local Integrator Partner.