

# MIRASYS

## FULL-FEATURED AND VERSATILE VIDEO MANAGEMENT SYSTEM

**OPEN PLATFORM VIDEO MANAGEMENT SYSTEM: from Deep Vision Data and Artificial Intelligence to IoT, Cloud Service, and Data Platform**

**Discover how Mirasys VMS supports security, situation awareness, process optimization, cost reduction, and business intelligence.**

MIRASYS

MIRASYS
Deep Vision Data Company

# The VMS pioneer

## BENEFIT OF OVER 28 YEARS OF EXPERIENCE AND INNOVATION TO SECURE THE FUTURE OF COMPANIES AND CITIES

Mirasys is one of the leading suppliers of open platform Video Management Systems (VMS). Founded in 1996, Mirasys focuses on the most valuable asset of your operation: **DATA**

Mirasys's VMS software is one of the preferred choice to collect, store, and provide data from CCTV cameras and other related sensors to both small and large installations. Mirasys is a deep vision data company that allows customers around the world to extract maximum information from old and new cameras and sensors. The data extracted from the footage gives customers and clients the ability to improve security, optimize processes, enhance business operation and decrease the need for human monitoring. Based in Helsinki, Finland, the company operates in over 40 countries with regional representations. The local teams cooperate with leading distributors, system integrators, security service providers, and large customers. More than 70,000 customers use Mirasys systems with over one million connected cameras.



- **OVER 1,000,000 CONNECTED CAMERAS**
- **70,000+ CUSTOMERS**
- **OPERATIONS IN OVER 40 COUNTRIES**

**Smart-cities, railways, airports & harbours, banking, hospitals, governments, entertainment are just some of the verticals in which Mirasys has excellent references. We operate globally to support customers and partners with intelligent data solutions and system architecture. The regional teams provide high-quality support and offer the best advice and training.**

- **LATEST TECHNOLOGIES**
- **INTEGRATION POSSIBILITIES**

**Our open platform VMS is easy to install, configure and connect to existing systems. Over 8,000 tested camera models, IoT devices, AI components, ANPR, access control, and fire alarm systems are integrated into Mirasys VMS software. Boosting innovation is a core-value for Mirasys, giving essential importance to strong R&D, modular architecture and integration capabilities.**

- **MICROSOFT GOLD PARTNER**
- **ONVIF CONTRIBUTING MEMBER**

**Mirasys chooses carefully its technology partners to offer the best possible solutions in the market. Sharing our approach to open integration possibili- ties is hereby a vital aspect.**

Microsoft Gold Partner

ONVIF®

MIRASYS
Deep Vision Data Company

# MIRASYS OPEN VIDEO MANAGEMENT SYSTEM

**The MS Windows based Mirasys VMS provides numerous features that allow partners and customers to easily fulfill the requirements of unique and diverse market verticals. Its scalability from stand-alone installation to networked systems with hundreds of sites enables unique possibilities. The software supports thousands of cameras in one centrally-managed environment. All cameras can be managed using a single system, regardless of the location of the cameras. The system provides a user interface that is available in 22 languages to allow more convenience for international users.**

**Via integration options on all architecture levels, the VMS supports process optimisation, security, business data analyses with AI tools and seamless connection to other operation relevant sensors and systems. As a result, all collected data can be efficiently utilised to make better decisions and reduce cost.**




*Mirasys Video Management System - illustrative image*

# MIRASYS VIDEO MANAGEMENT SOFTWARE HIGHLIGHTS

**Boundless with extreme scalability and performance:**
The software allows for an unlimited number of VMS Servers, cameras, and recorders in a centrally-managed network.

**Highly modular with powerful features:**
Mirasys VMS software provides extensive modularity to support any user needs and requirements. Additional features with extensions and plugins generate high value through pre-integrated applications such as intelligent Video Content Analytics (VCA) and Artificial Intelligence (AI).

**Efficient and seamless connectivity:**
Over 8,000 tested camera models from all major camera manufacturers while supporting several open connection standards. The open platform architecture allows for integration of a wide variety of 3rd party systems like Access Control systems, Intruder & Fire Alarm Systems, IoT devices etc.

**Quick and easy installation and configuration with high usability:**
Less onsite visits are needed due to centralised update processes. Configuration applications and script usage guarantee a quick deployment. Users and profiles can be synchronised via LDAP and enable endless possibilities. The intuitive user interface and customisability enhances the user experience and the administration of the system.

**High reliability:**
The system offers rich watch-dog options to monitor, alarm and restart services or hardware components. A comprehensive failover feature guarantees automatic handover of recording tasks and even cluster configuration for high availability with parallel recording are possible. SAN/NAS storage and “TruCast” to provide live footage also when servers are failing are standard features in our software.

## MAIN FEATURES

**Optimised Storage:** Up to 50% increase in economy of use of the system through Mirasys Secure Data Distribution (Proprietary Record System).

**Bandwidth Management:** Optimizing video casting and real-time actions.

**Mirasys Video Wall:** Manage remotely from operator stations unlimited video wall monitors based on off-the-shelf components in a fully digital environment.

**Integrations:** APIs. SDKs, TCP sockets, HTTP(s), RTSP, XML validators are only some of the integration interfaces on all architecture levels of our software components. The system is an open platform that is easy to integrate and connect.

**Video Content Analysis:** Mirasys VCA is used in over 350,000 channels offering all typical VCA features based on deep learning algorithms.

**Data Analytics:** Receive powerful and intelligent insights, including key information for management teams to identify patterns, evaluate processes, and detect abnormal behaviours with our integrated representation of data in graphs or other visual forms.

## GENERAL FEATURES

- Fluid Interface
- Powerful AI Analytics
  - ✓ List Management
  - ✓ License Plate Recognition
  - ✓ Object Recognition
  - ✓ Face Recognition
  - ✓ Person Search
  - ✓ Similarity Search
  - ✓ AI based VCA
  - ✓ Camera based AI
  - ✓ ONVIF Profile M
- Maps
- Alarms
- Reports
- Forensic Searches
- WatchDog

MIRASYS
Deep Vision Data Company

# MIRASYS IS AN OPEN PLATFORM THAT CREATES OPTIMAL SOLUTIONS BY PARTNERING WITH THE BEST TECHNOLOGY VENDORS

To provide the best VMS solutions on the market, Mirasys has partnered with several technology companies around the world specialized in various fields. Our partner and training program guarantees the required knowledge transfer to develop customized solutions for any market.



## MIRASYS PARTNERSHIP ECOSYSTEM

Partnership has a high priority for Mirasys. We work for balanced business relationships the technology vendors, prioritising the satisfaction of our customers and business opportunities for our partners. For this reason, Mirasys provides comprehensive information exchange and well-documented SDKs and APIs for a successful solution design. Join us on an exciting ride towards new solutions.

## SYSTEM COMPONENTS

**Strong Compatibility**

**Secure Backend Servers**

**Connecting Technologies**

**Exceptional User Experience**

Mirasys aims to grow with your business. Our VMS offers unprecedented possibilities wherever CCTV cameras are in use. We are passioned to provide our know-how and technology to build customer success and gratification.

**TO DISCOVER MORE ABOUT MIRASYS, GET IN TOUCH WITH OUR TEAM**

MIRASYS
Deep Vision Data Company

# MIRASYS VMS TAILORS SOLUTIONS FOR VARIOUS INDUSTRIES

### ✓ Buildings and Facilities
The access control combined with its video management systems increase the efficiency of surveillance. With the help of Mirasys systems, it is also possible to take traditional video surveillance in various buildings and locations – such as parking halls and large arenas – to a whole new level.

### ✓ Banks
The security of several large European banks is supported by the Mirasys video management system. Our VMS has been developed according to the feedback and experience from several banks in order to meet specific banking monitoring requirements.

### ✓ Casinos
Casinos have the most stringent laws and require high availability of all video and data recorded. This places high demands on the system. Recorder failover, RAID, and redundant power supplies assist in maximum up time. Mirasys Video Wall empowers the operators to call up any camera to any monitor. Video analytics and reporting can be used to collect marketing data.

### ✓ City Surveillance
In smart-cities, cameras serve multiple purposes: they protect the citizens, safeguard infrastructure, and preserve the safety of society. Presently, the Mirasys system aids several city administrations around the world. Metropolitan City of Bangkok, for example, is improving the quality of life on the streets and public areas with our VMS.

### ✓ Educational Institutes
The Mirasys VMS helps in preventing vandalism as well as detecting other security threats within the educational institutions. The VMS system can also analyze learning performance within the institutions and provides other education-related services. The surveillance of the University of Helsinki, among other institutes, relies on the solutions of Mirasys.

### ✓ Hotels
The hotels have to support the work of the security personnel and improve customer service. Also, the surveillance system must have the capability to integrate with a large variety of other systems. Mirasys VMS ensures that it meets the requirements of hotels and provides valuable assistance.

### ✓ Harbours and Airports
The cost-effective and scalable solutions provided by Mirasys for those infrastructures adapt to changing requirements, technologies, and regulations. Our VMS is a key tool to optimise processes for people, cars and objects flow. The software allows to control of vast areas, integrate automatic recognition of license plates to enable easy traffic control and follow-up object movement for a seamless operation.

### ✓ Retail
Mirasys solutions helps to prevent and investigate petty theft and vandalism. Also, it became invaluable as an advanced marketing tool representing data in various graphic forms to understand consumer behaviour. By providing integration opportunities with EAS (Electronic Article Surveillance) and POS (Point-of-Sales) systems, Mirasys can maximize the potential of camera installations.

### ✓ Sports and Entertainment
Video surveillance is an essential tool for maintaining crowded areas and locations. It facilitates the movement of people and vehicles during events for situation awareness and post analytics. Many large venues already rely on Mirasys VMS such as the Globe Arenas in Stockholm, Hartwall Arena in Helsinki, and Raiders Stadium in California, USA.

**CONTACT US TO LEARN MORE ABOUT THE PROJECTS IN ANY OF THE ABOVE INDUSTRIES**

MIRASYS
Deep Vision Data Company

# 10 REASONS WHY MIRASYS IS THE BEST VMS

1

**28+ years of business** with a strong R&D team pioneering in IP video technology and vision data.

2

**Present in over 40 countries** and providing global solutions with trained support.

3

**Over 1,000,000 cameras** connected for fulfilled customer in systems with up to 20,000 devices.

4

**70,000+ satisfied customers**, allowing Mirasys to show credibility of their intelligent solutions in different market verticals.

5

**Over 8,000 tested** camera models of leading manufacturers + ONVIF, PSIA and RTSP.

6

**Low TCO (Total Cost Ownership)**, as our VMS helps to optimise your resources.

7

**Microsoft Gold partner**, walking beside with top industry leaders.

8

**Secure Data Distribution** features whereby Mirasys solutions can guarantee up to 50% of the economy in storage.

9

**Mirasys VMS provides meta-data** insights for high-security needs and business intelligence.

10

**Solutions for various verticals** like banks, cities, educational institutions, retail entities, harbours and airports, entertainment, and many more.

## Global Operation

**Mirasys Group HQ & Mirasys Finland**
**Vaisalantie 2-8, 02130 Espoo, Finland**
**Tel: +358 9 2533 3300**

# CONNECT

WITH A MIRASYS EXPERT

**sales@mirasys.com**

## Mirasys counts with Sales Representatives around the world

- Australia
- Baltic
- Brazil
- DACH
- Iberia
- India
- North America
- Scandinavia
- South Africa
- Thailand
- United Kingdom
- Zambia

www.mirasys.com

Mirasys

Join us for receiving news about VMS solutions

MIRASYS
Deep Vision Data Company