

NETAVIS Observer

Professional video management
with integrated video analytics



Professional surveillance with Observer

NETAVIS Observer is a strong software platform for professional video management with integrated video analytics. The Observer is highly compliant, has best performance and unrivaled adaptability to customer requirements.

Compliance

Modern video surveillance systems must be able to integrate existing CCTV systems and must also be compliant with IT infrastructures of data centers and IT departments (servers, clients, network, storage). New challenges arise from safety and privacy requirements.

Compliance with CCTV

- Support for all major video streaming formats
- Support for the new industry standard ONVIF

Compliance with IT

- Support of professional server management (e.g. server monitoring with SNMP)
- Support for professional storage management (DAS, SAN, NAS)
- Support of data center processes (software distribution, clustering, storage, security patches)

Compliance with security and privacy requirements

- Encryption of communication and storage (camera, recordings, client)
- 4-eyes principle for archive access (e.g. with an employee representative)
- Privacy masking (for analog and IP cameras)

Performance

The performance of the Observer is about 30% better than Windows-based systems on the same hardware. The improved performance of the system has the following benefits:

- Lower costs for hardware investment (fewer servers)
- Lower power consumption because of smaller systems (smaller CPU can be used) ("green IT")

All this leads to much lower total costs (TCO) for the whole system.

Adaptability

Observer is characterized by unrivaled adaptability for customer requirements.

This adaptability has two main dimensions:

- Flexible architecture and an open XML interface
- Scalability and sustainability through special plug-ins and unlimited number of cameras (platform for applications of physical security)

Due to the peer-to-peer architecture, Observer can be used for both centralized systems (one location) and distributed systems (several locations). An XML-based interface allows easy integration of external applications at lowest costs. Scalability is ensured by Observer's ability to handle an unlimited number of sites, servers, cameras and users, and by the possibility of mixing different camera types (analog and IP).



- Compliance

- Performance

- Adaptability

Observer Product Family

NETAVIS Observer is available in several editions from Basic for small installations up to Enterprise for big and complex installations. Extra modules for layout navigation, video analytics, number plate recognition and for retail complete the offer.

Observer

is the professional platform for video management with an integrated software for video analytics. Customers from retail, banking, public, health care and manufacturing are choosing Observer because of the high compliance, best performance in class and the unrivaled adaptability for customer requirements.

iCAT

is the video analytics toolbox of Observer that works with any camera. It provides powerful and easy-to-configure object detection and tracking mechanisms as well as a statistics module with integration to the event management system EMS. It works in difficult situations and with various camera perspectives.

Mobile Client

is a client application for live viewing on smart phones like the iPhone.

LNT

is the layout navigation tool offering sophisticated navigation features even for large systems. It is easy to set up and hierarchical layouts as well as close integration with Observer make it an ideal solution for larger installations.

Retail

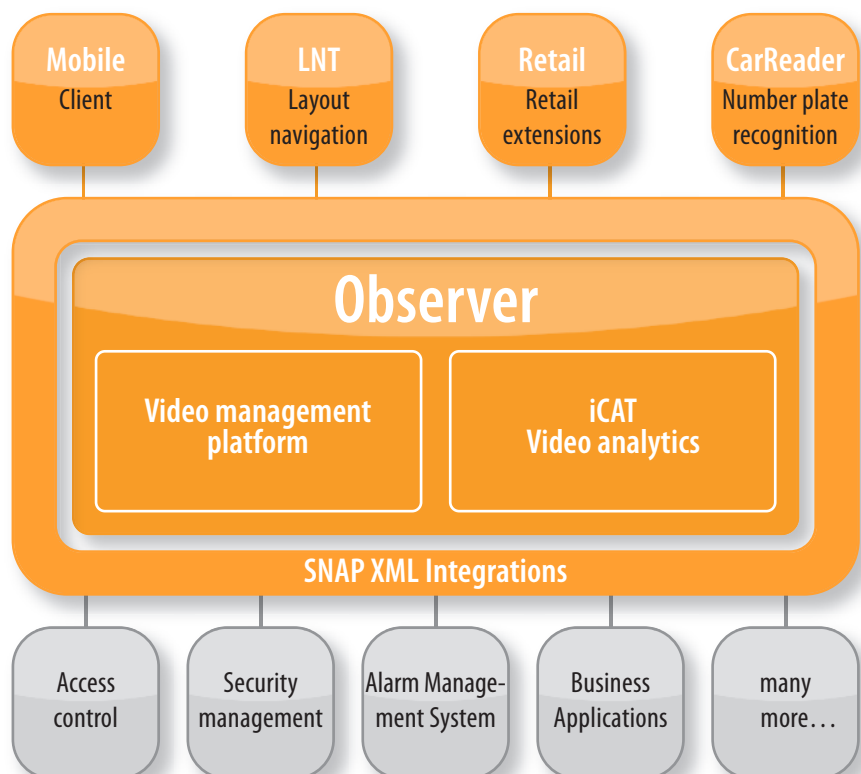
consists of a set of extensions, integrations and best practices for retail applications (based on SNAP and the video analytics toolbox iCAT). It provides support for customer traffic analysis, loss prevention, POS monitoring, etc. Several big retail chains successfully work with this module.

CarReader

is a comprehensive toolbox for number plate recognition and integration of gates. It consists of recognition and storage of plate numbers, management of blacklists and alarm routines, event statistics for simple reports as well as integration with mechanical components (gates) including ticket integration and text display.

SNAP XML

provides the flexible basis for integrating all kinds of external systems and applications. Many integrations are already available, new integrations can be carried out with minimal effort and cost.



Vertical solutions

With thousands of successful installations, NETAVIS specializes in the following vertical markets: retail, government and education, banking, health care and transportation.

While our products fit the needs of small and medium systems very well, NETAVIS has also pioneered large installations that have specific requirements for manageability and total cost of ownership.

Retail

The main security issues for the industry are: robbery, break-ins, drive-offs, inventory shrinkage and vandalism.

NETAVIS Observer offers classical video surveillance (including reuse of existing infrastructures such as analog cameras) and the power to manage hundreds of subsidiaries, central and decentral monitoring as well as multilingual operation.

The Retail module brings added value by delivering business-relevant data. These data can be used to measure and manage the "conversion rate", one of the most important statistics in the industry. The return on investment (ROI) can be dramatically increased by the reuse of the security infrastructure for marketing purposes.

The main benefits of using server-based IP video are:

- Reduction of loss
- Improvement of shop profitability
- Increase in staff security

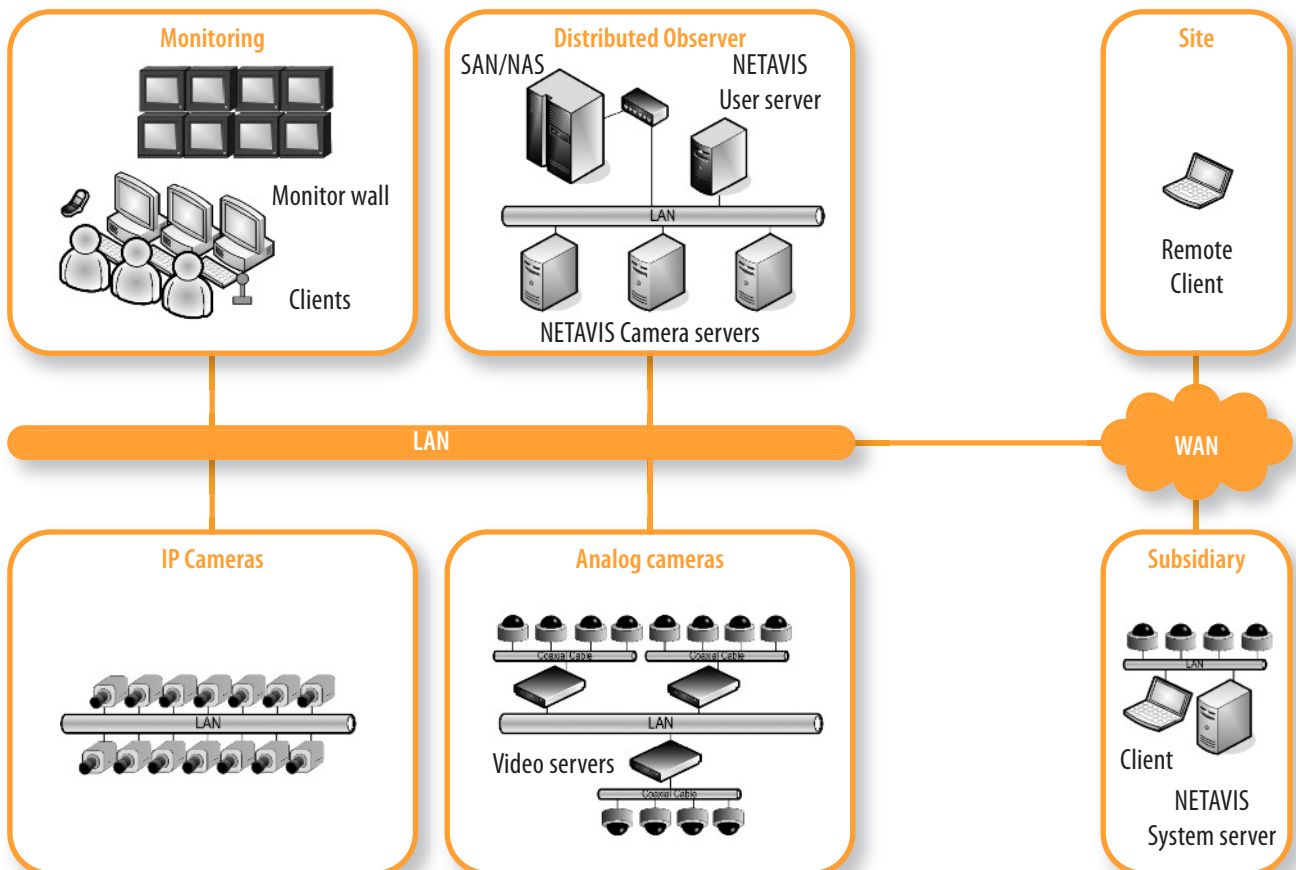
Government and education

The main applications for government are public or city surveillance, prison surveillance, border surveillance, street and traffic monitoring and education security.

Thanks to the outstanding architecture of our Observer product family, we are able to manage very large centralized as well as decentralized installations. With server technology and professional external storage management such as IP SAN, there are virtually no limitations on performance and storage.

Video analytics modules such as CarReader and iCAT can greatly improve the usability and value of NETAVIS for governmental purposes. Observer is available in several languages.

Below is an example of a large installation with a control room and a monitor wall, professional server and storage technology (SAN), reuse of existing analog cameras, use of modern network cameras and a number of managed subsidiaries.



Banking

Key issues in banking are:

- Management of subsidiaries
- Reuse of existing infrastructure
- Compliance with IT infrastructures

An extremely flexible architecture, outstanding integration possibilities and multilingual support make Observer the system of choice for banking applications. Observer integrates with access control, burglar systems, cash machine applications and money counting stations. An increasing number of banking customers are also using video analytics technologies such as NETAVIS iCAT.

The main benefits for banking customers are:

- Central and decentral monitoring
- Higher employee security
- Significant reduction of archive searching time (e.g. after alarm incidents)
- Integration of different security applications
- Improved communication with the police

Large installations

Generally there are three types of large installation:

- Large central installations where most of the servers are located centrally and cameras are distributed
- Large decentralized installations with a central control site and several servers which are geographically distributed (e.g. in banking and retail with hundreds or thousands of subsidiaries)
- Mixed installations with a strong central site but also several servers distributed geographically (e.g. a large installation at the headquarters and multiple sites with video surveillance)

Health Care

The main issues for the health care industry are:

- Safety for patients
- Safety for the personnel
- Documentation of processes

Due to the extreme flexible architecture both centralized as well as decentralized customer situations can be managed. Important are integrations with existing security and non security applications (e.g. access control and alarm management systems). Observer can handle these with the powerful XML interface at lowest costs.

More and more customers in this industry are starting to use video analytics for number plate recognition, tampering and people detection. All these features are seamlessly integrated in Observer (iCAT).

The main requirements of large installations are:

- Flexible central and decentralized recording and management
- High availability (24/7 operation)
- Compliance with data center policies (e.g. security processes)
- Support of different types of sites (from small to large)
- Central and decentralized administration
- Automatic software distribution
- Bandwidth management between different sites

Observer can handle all types and layouts of large installations.

Case Story kika

With more than 60 stores all over the CEE region, kika/Leiner belongs to the leading furniture store chains in Europe. As a trendsetter in living kika also trusts in a state-of-the-art system for video surveillance by NETAVIS Software.

Besides classical surveillance duties, especially the low bandwidth streaming concept Adaptive Balanced Streaming (ABS) from Observer is a key element in the distributed system of kika.

Special integrations with the access control system as well as a POS-monitor protect customers and employees and fit perfectly to the requirements. Thanks to the integrated video analytics the customer is already prepared for future applications to optimize marketing.



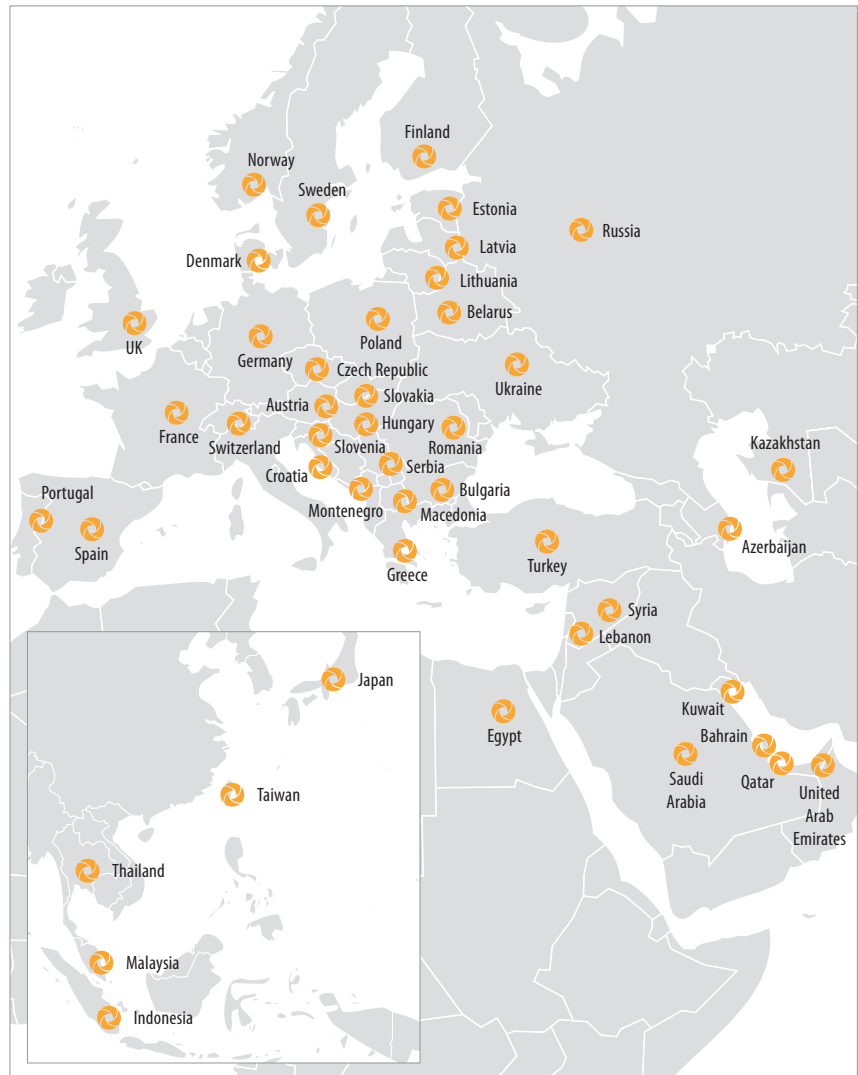
Some References

AKH Wien	Leo Burnett
Alpha Bank	Life Ball
Austrian Ministry of Interior	LINZ AG
Austrian Railway	Lugner City
Bayrische Staatsoper	Marbo
Baumax	Mol Saudi Arabia
Baxter	Municipality Sliven
Benetton Megastore	Museums Quartier
Bridgestone	NCB Saudi Arabia
CAC Bank	Nokia Siemens Networks
Caterpillar	OEAMTC
DEMASZ	Raiffeisen Informatik
DHL Express	Sberbank
Do & Co	Shell Gas
E.O.N	Sony DADC
Ernst & Young	Stadt Wien
Frequentis	Stiegl
Henkel	Telekom Austria
IBM	UniCredit
IKEA	UPC
kika	Weisenhorn Food
Lekkerland	Wiener Lokalbahnen
	Zapf Umzüge

About NETAVIS

NETAVIS Software is the pioneer of server-based video surveillance with seamlessly integrated video analytics. Highest compliance with existing CCTV and new IT infrastructures, best performance and unrivaled adaptability with customer requirements characterizing all NETAVIS products.

NETAVIS delivers its products and services through solution partners and distributors in Europe, the Middle East and Asia. With thousands of successful installations, many customers in retail, government, banking, transportation, health care and industry rely on NETAVIS software.



Contact

Headquarters

NETAVIS Software GmbH
Blindengasse 3
A-1080 Wien
Austria
T: +43 (1) 503 1722-0
F: +43 (1) 5031722-360

Subsidiary Hungary

NETAVIS Kft.
Videoton irodaházak
Hűvösvölgyi út 54.
H-1021 Budapest
Hungary

Subsidiary Middle East

NETAVIS Gulf region and North Africa
P.O.Box 122136
Jeddah 21332
Saudi Arabia
T: +966 (2) -692-7761/2/3

Visit our showroom: <http://showroom.netavis.net>

www.netavis.net | info@netavis.net