

ProView Video Surveillance



Self-service systems monitoring for greater security

More and more banks are equipping their ATMs with cameras in order to document cash withdrawals from start to finish, prevent manipulation, and thus increase the security of self-service transactions. The analysis of the stored images or video footage is very helpful, both when criminals try to alter the device technically and in the clarification of conflict situations. With ProView Video Surveillance, Wincor Nixdorf now offers software that enables both centralized image and video monitoring and image analysis.

An amount has been debited from the account, but the customer claims he did not remove the notes from the ATM: Banks must often clarify conflict situations such as these.

The situation is quick to resolve when images of the device while

the transaction is in progress, including removal of the cash, can be retrieved easily from a central location. Another scenario involves manipulation attempts by criminals. If such an attempt is suspected, the situation at the ATM can be analyzed through video monitoring and further steps initiated.

Images and videos from devices with online connections can be transmitted to a central server with ProView Video Surveillance, from where they can then be transferred to desktop PCs in a monitoring center for analysis.

ProView Video Surveillance comprises a server and a client component.

The local component of ProView Video Surveillance is installed on the ATM and is a software that processes image and video data, and

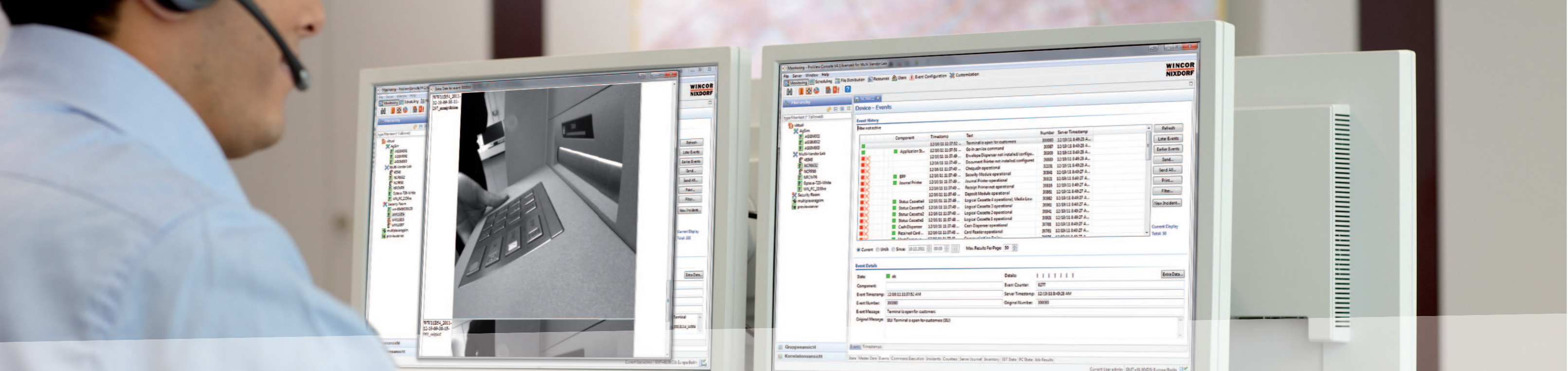
archives this data on the hard disk of the ATM. The basis for the component is ATMeye.

The server component of ProView Video Surveillance is installed centrally. It handles data transfer and provides evaluation functions.

ProView Video Surveillance can operate as a standalone solution, enhancing the ATM by integrating local pictures and video recording functionality. If the server part of ProView Video Surveillance (ProView Video Surveillance Central) is installed in addition, ATMs and their respective video data can be monitored centrally.

ProView Video Surveillance server functionality is a subset of ProView. Upgrading ProView Video Surveillance server to full ProView functionality is possible at any time.

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ProView Video Surveillance

Your benefits

- Video surveillance and altering of suspicious activities around the ATM in real time
- Increased security in general for the self-service systems through continuous system monitoring
- Immediate response time reduces the risk of fraud or physical damage to the ATM
- Transaction-based real-time monitoring of ATMs delivers up-to-the-minute information
- Information about a potential threat is communicated promptly to the responsible staff
- Fast resolution of problems due to precise, detailed information on the operating status of each terminal device
- Protection against transaction reversal fraud through video surveillance by incidents, e. g., withdrawals, open safe door. ProView Video Surveillance enables transaction-related images that can be accessed remotely

- Documentation of all captured images and recorded videos can be transferred to the operator of the self-service systems in order to operate a purposeful prevention program
- High system availability due to proactive/preventive monitoring
- Multivendor capability of the solution enables integration of all the ATMs in your self-service network

ProView Video Surveillance functions

Video-related functions

- Request videos and images from the terminal
- Show videos and images in the front end
- Show and report status changes on the video hardware and software
- Show and report a series of videos and images for transactions
- Show and report diagnostic images
- Store archive of images and videos locally on the ATM
- Store images and videos on the server on demand

Monitoring functions

- Create and edit users and their authorizations to operate the front ends
- Create and edit the data terminals and their basis data
- Display a diagram of the monitored network and terminals
- Search terminals in the network
- Show the current status of the monitored terminal according to self-service application
- Show resources on the terminal
- Check the connection at the terminals
- Transfer files from the terminals to the server
- Perform automated tasks for the terminals
- Show selected reports for the network

ProView Video Surveillance options

One of the following variants can be used depending on the installed hardware (the server functionality is identical in both setups):

ProView Video Surveillance (classic)

ProView Video Surveillance (Classic) can be connected with up to four cameras which are attached to the ATM via frame grabber. It captures photos or video recordings and stores them locally in JPEG or AVI format on the ATM hard disk.

ProView Video Surveillance for Optical Security Interface (OSI) integrates the OSI-based cameras of the ProCash 8000 family and CINEO systems. It also captures images or video recordings and stores them locally in JPEG or AVI in video archives on the ATM hard disk.

ProView goes mobile

Smartphones and tablets play an important role in the world of mobile, networked business. ProView, in conjunction with ProView Video Surveillance, can display pictures and videos of the specific ATM on a mobile devices. When an active

alarm is issued, ProView is able to forward the corresponding event to the configured mobile devices, e. g., smartphones. The smartphone can then be used to display all the information relevant to the incident – not only transaction data but also images and videos from the surveillance cameras.

ProView Video Surveillance can be upgraded to ProView. Customers who are already using ProView 4.x can also implement ProView Video Surveillance by installing the client-component. ProView Video Surveillance can be used in parallel with the Optical Security Guard, a modern image analysis software from Wincor Nixdorf that detects changes made to the ATM operating panel.

Technical requirements

Standalone:

- ATM
 - CINEO & ProCash 8000
 - Working OSI installation including cameras
 - CEN/XFS or ProCash/NDC
 - ProCash/DDC
 - ProCash line
 - Free PCI slot for frame grabber card (full height) and up to four analog cameras CEN/XFS or ProCash/NDC
 - ProCash/DDC

Integrated solution

- Client
 - All components of the respective
 - standalone setup
 - ProAgent version 1.0/10 or higher



PROVIEW VIDEO SURVEILLANCE

▪ Server

Network size/ hardware	1-100 systems	100-1,000 systems	> 1,000 systems
Processor	PC processor	Dual-core processor	Quad-core processor
RAM	1 GB	2 GB	4 GB
Free disk space	1 GB	1 GB	1 GB
Others	A 100 Mbit/s connection to the database server and at least one other LAN card for connections to the devices are recommended.	A 100 Mbit/s connection to the database server and at least one other LAN card for connections to the devices are recommended. A separate database server with at least 5 GB disk capacity for the ProView database.	A 100 Mbit/s connection to the database server and at least one other LAN card for connections to the devices are recommended. A separate database server with at least 5 GB disk capacity for the ProView database.

ProView Video Surveillance Server Software

- MS Windows 2003 Server (32-bit), at least Service Pack 2
- MS Windows 2008 Server (32-bit, 64-bit**)

Database System

- Microsoft SQL Server 2005 or 2008
- Oracle V9, V10g, V11 or V11g***

ProView Video Surveillance Console

- A standard off-the-shelf office-computer
- Microsoft Windows 2003 Server (32-bit) or above
- Microsoft Windows 2008 Server (32-bit, 64-bit)
- Microsoft Windows XP (32-bit) with Service Pack 2
- Microsoft Windows Vista Business (32-bit)
- Microsoft Windows 7

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*Please note that the hardware scenarios specified here are based on project experience and merely serve as a guideline

**64-bit versions require WOW64 emulator

***Detailed requirements for Oracle database systems can be found in the user manual