



NetXMS ATM Video Surveillance is a comprehensive ATM video monitoring solution, which allows to record video from one or more security cameras mounted on an ATM, as well as download selected video clips to a host computer for further viewing, if required. NetXMS ATM Video Surveillance can be used as a tool for both card fraud detection and chargeback dispute resolution.

NetXMS ATM Video Surveillance Feature highlights:

- ▶ Real-time video and still image capture
- ▶ Instant and event based media capture modes
- ▶ Centralized management of the recorded media

The screenshot displays the NetXMS ATM Video Surveillance Console interface. The top section includes a search panel with filters for Search Period (01.03.2008 16:00:00 - 01.03.2008 17:00:00), Terminal (ATM001), Card Number (5*), Transaction ID, Location, and Comment. A central video feed shows a person in a hoodie. The right sidebar shows a tree view of the network structure, filtered to ATM00, with sub-items for ATM001 through ATM005. The bottom section features a table of search results for ATM001, showing transaction details.

Card Number	Date	Event	Terminal	Transaction ID	Location	Camera	Media Type
5507402675583970							
5507401716820665							
5507403173720999							
5480665438304279							
5568712587337448							
5507404062015163							
5539201999779526							
5539201999779526	Sun Mar 01 16:56:20 EET ...	Card inserted	ATM001	419960397	Riga, Elizabetes 18	1 (Front)	Photo
5539201999779526	Sun Mar 01 16:56:26 EET ...	PIN entered	ATM001	419960397	Riga, Elizabetes 18	1 (Front)	Photo
5539201999779526	Sun Mar 01 16:56:42 EET ...	Dispense	ATM001	419960397	Riga, Elizabetes 18	1 (Front)	Photo
5539201999779526	Sun Mar 01 16:56:42 EET ...	Dispense	ATM001	419960397	Riga, Elizabetes 18	2 (Dispenser)	Video
5539201999779526	Sun Mar 01 16:56:47 EET ...	Money taken	ATM001	419960397	Riga, Elizabetes 18	1 (Front)	Photo
5539201999779526	Sun Mar 01 16:56:53 EET ...	Card removed	ATM001	419960397	Riga, Elizabetes 18	1 (Front)	Photo
5507408754060298							

NetXMS Video Surveillance

Feature overview

- ▶ Video and/or still snapshots for any ATM event (Card Inserted, Money Taken etc)
- ▶ No special or expensive hardware required (works with any digital cameras or analog CCTV cameras with simple capture board; mixed camera types supported within a single ATM)
- ▶ Configurable media resolution and video codecs
- ▶ Distributed media snapshot storage and retrieval upon request, repeated requests are processed on the server side
- ▶ Media snapshots can be searched and retrieved by various transaction parameters (e.g. PAN, terminal id etc)
- ▶ Optimizations for limited bandwidth environments
- ▶ Centralized configuration and software updates
- ▶ Automatic housekeeping of the outdated snapshots

Security

- ▶ User authentication with passwords, X.509 certificates or smart cards
- ▶ Encryption using high-strength industry-standard protocols
- ▶ User and group access rights for every system function

Hardware requirements

- ▶ Wincor Nixdorf or Diebold ATM
- ▶ The system can be customized to support other ATM vendors
- ▶ Digital USB and/or analog CCTV cameras, wide-angle autofocus cameras recommended
- ▶ Recorded media can be stored on ATM internal hard drive or on an extra storage media for increased data retention times

Architecture

- ▶ Three-tier client-server architecture for high performance and security
- ▶ All events are handled by the server in real-time
- ▶ Transparent and on-demand transfer of the media recorded
- ▶ Clean and simple user interface

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