



CCTV

SISTORE MX NVR – Network-based video recording





Network Video Recorder

SISTORE MX NVR is a network video recorder allowing the operator to view live images, as well as to support recording, playback and remote access for up to 16 IP cameras per installed system. SISTORE MX NVR can be used in a wide variety of applications, including small commercial, retail, offices, hotels, to name but a few. It fully supports the connection of a variety of network cameras (IP cameras) and video servers from different manufacturers. SISTORE MX NVR can be optionally equipped with alarm inputs and outputs – this network video recorder satisfies the requirement for special security applications to optimum effect.

Newtork recording for up to 16 IP cameras

■ Network-based video monitoring and recording with up to 16 IP cameras.

This networked video recorder supports network-based video monitoring and recording for up to 16 IP cameras. The NVR box offers a maximum recording speed of up to 100ips with 60 GB internal storage.

■ Support of third-party IP cameras including PTZ control

In addition to IP cameras and IP modules from Siemens, SISTORE MX NVR can also be connected to numerous third-party IP cameras that have already been installed and, if these are functional cameras, then SISTORE MX NVR also supports PTZ control over a network.

■ Support of megapixel recording

SISTORE MX NVR supports the recording of megapixel IP cameras. Megapixel recordings contain more information, particularly useful when using the integrated digital zoom feature.

■ Integrated motion detection

To optimise hard disk storage, the pixel based motion detection system allows the user to define areas of interest in a scene and only when motion occurs inside this area, will the images be recorded. The motion detection can be used to trigger an alarm and increase the recording rate to ensure the most information is stored.

■ Integrated sabotage detection

SISTORE MX NVR is equipped with integrated sabotage protection, recognising camera re-positioning, covering, spraying and defocusing.

■ Site plan feature for easy orientation in the monitored area

Cameras positioned in a site plan can be easily displayed via mouse click. This feature helps operating personnel to track suspicious people for example, without having to remember the next camera number.

■ Free remote client software

The SISTORE MX NVR can be used in conjunction with SISTORE MX NVR Remote-View to analyse the video recordings via remote access (via LAN or ISDN).

■ Low-maintenance operation

Less maintenance and higher system availability: Due to its fan and hard disk less operation, SISTORE MX NVR is especially low-maintenance. The integrated hardware watchdog ensures that for the unusual case of problems, the operator is notified in good time.

The operating system runs on a separate flash drive (2 GB Compact Flash Card). So if there are any problems or even the hard disk is crashing, system stability is still guaranteed.

■ Ultra compact, space saving and easy to install

Space is valuable and tight in modern installations. With its ultra compact dimensions of only 262 x 134 x 47 mm the NVR box gets the most out of the given space. But nevertheless the box offers very high processing performance.

Also installation is very simple and flexible. It can be mounted on a top-hat rail or directly to the wall.

Highlights

- Network Video Recording for 16 IP cameras, with 100 ips recording speed on 60 GB internal storage
- Supports megapixel IP camera recording
- Integrated motion and sabotage detection
- Site plan feature for easy orientation
- Free remote client software
- Low-maintenance and high system availability
- Compact dimensions for space saving, easy and flexible installation



Robust design – simple functionality

■ Quick installation through plug & play

The system is ready for immediate use after installation and the connection of the IP cameras. When developing SISTORE MX NVR the focus was on simple, clear controls and functional reliability.

SISTORE MX NVR is an innovative and multifunctional network video recorder which can be updated at any time due to its modular structure and can be adapted to reflect customers' specific requirements. Depending upon the configuration, images can be recorded from up to 4 network cameras simultaneously on a single device.

■ Optimised recording modes

SISTORE MX NVR provides optimised recording modes for any situation. If via the built-in motion detection, movement occurs, or if an external alarm input is triggered, the image quality and recording speed can be increased, enabling more information to be recorded. During standard long-term recording on the other hand, the image quality and recording speed can be decreased to save storage space, if required.

■ Pentaplex operation

SISTORE MX NVR is a "pentaplex" system – a system that enables the user to record, view live images and replay previously recorded video at the same time. In addition the system allows RemoteView mode and the external archiving of recordings.

■ Live image display & alarm scenarios

In addition to recording, all cameras can be displayed for live monitoring. In addition SISTORE MX NVR allows the definition of alarm scenarios depending on time, date, alarm conditions etc. If an alarm is triggered, e. g. via the integrated motion detection or an external alarm input, a predefined alarm scenario executes. Thereby it is possible to zoom to a predefined image area and start recording or to increase the recording rate of certain cameras, ensuring that the correct pictures are stored in the correct quality.

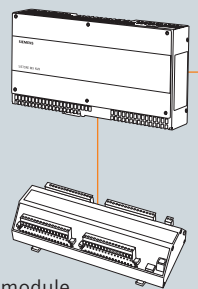
■ User administration

SISTORE MX NVR works with a uniquely designed user administration system. By assigning different user rights, each operator can be given access to certain functions, and declined access to others, depending on their particular duties.

■ Export and archiving

SISTORE MX NVR supports archiving, both of sequences on the local hard disk and shared networked drives. In addition archiving can be done using an external CD/DVD burner connected via USB.

SISTORE MX NVR



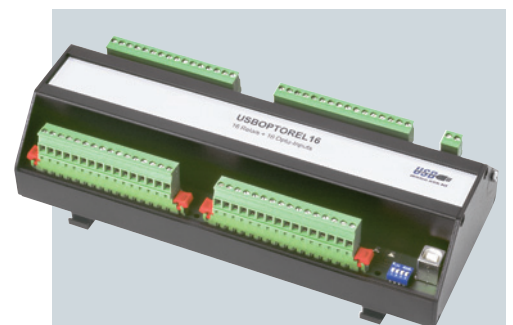
I/O module

Optional USB input/output modules expand the functionality of SISTORE MX NVR to include alarm inputs and outputs.

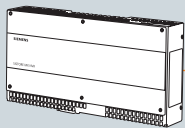
Highlights

- Quick and easy to install
- Long-term and event-based recording
- Pentaplex operation
- Live image display & alarm scenarios
- User access management
- Various archiving options

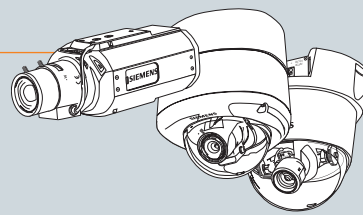
Optional alarm input/output box via USB



SISTORE MX NVR

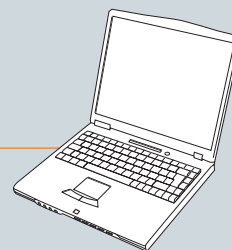


Up to ten SISTORE MX NVR units can be accessed simultaneously via RemoteView.



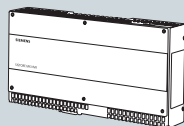
Each SISTORE MX NVR supports the recording and management of up to 16 IP cameras. It also features additional functions such as motion detection.

TCP / IP Network



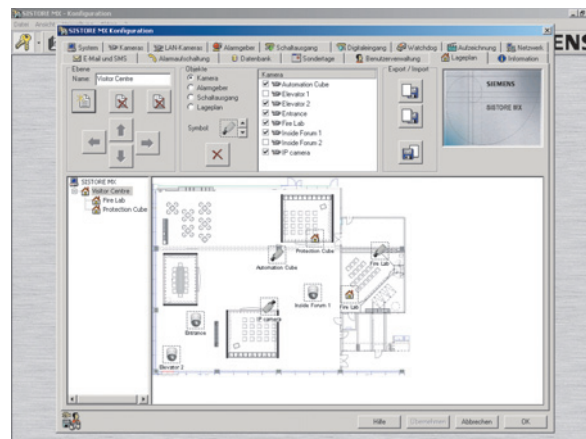
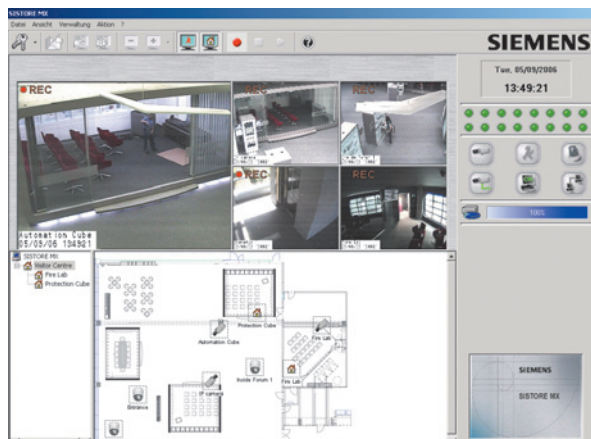
Up to 16 RemoteView clients can access a SISTORE MX NVR. Each RemoteView client can display the images from up to 10 SISTORE MX NVR simultaneously.

SISTORE MX NVR



The interactive site plan feature helps operators track suspicious activity.

Simply add and position cameras on the site plan via drag & drop.



Technical overview

■ Quick and easy searching

To ensure the fastest method of finding images, a mask can be defined in the area of interest, filtering the playback to only that area and ensuring no time is wasted watching hours of useless video. Also, there is the timeline search, showing all recorded images across the cameras, including showing movement detection, alarm triggers etc. – just drag the line to the time or date required – simple. Of course it is also possible to search according to standard criteria such as date, time, camera and logbook.

■ Multiple user access (multi-client)

Up to 16 clients can access a SISTORE MX NVR simultaneously via the included RemoteView software.

■ Multi-server with simultaneous access

A single RemoteView station can access up to 10 SISTORE MX NVRs simultaneously, thereby creating a multi-server system.

■ Integration of switching inputs and outputs via USB (optional accessory)

The SISTORE MX NVR can optionally be equipped with alarm inputs, from which recording can be started or speed adjusted. The digital inputs are reserved for specific alarm inputs e.g. UPS power failure, start/stop recording. The alarm outputs are designed to connect to alarm systems, turn on lights or trigger a loud-speaker pre-recording. It is also possible to record a single audio channel linked to a pre-defined camera.

■ Alarm action

In the event of an alarm, an automatic connection is established to the remote monitoring station via the RemoteView software. In addition, the operator receives an e-mail or text message informing of the alarm or system status, enabling necessary alarm procedures to then take place.

■ Control via IVM video software (from IVM version 3.0)

SISTORE MX NVR can be controlled directly via IVM interactive video software from Siemens. The recorded images and event data can be played back and analysed, and full camera control can take place via any IVM client in the system network.



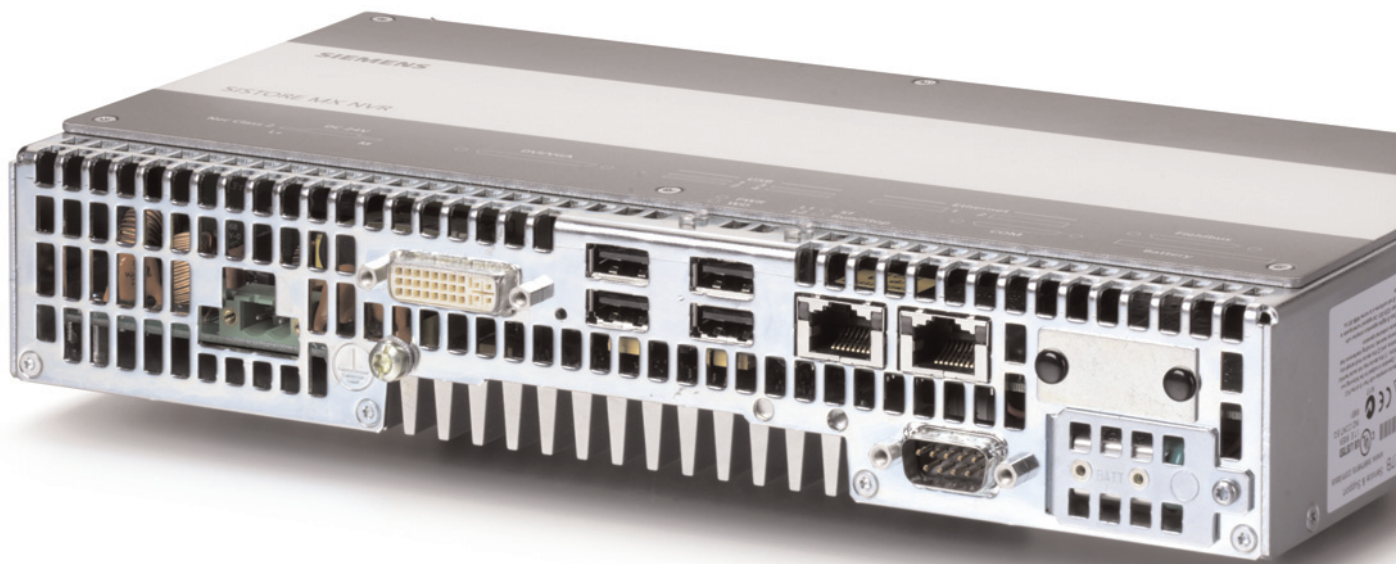
SISTORE MX hardware for hybrid video surveillance

Highlights

- Quick and easy searching
- Multiple user access
- Multi-server with simultaneous access
- Integration of switching inputs and outputs via USB
- Control possible using video software IVM

■ SISTORE MX hybrid system

If analogue cameras are already installed in a system which is set to be upgraded with IP cameras in the future, then SISTORE MX, also available from Siemens, is the ideal choice. This hybrid video monitoring system enables the recording of images from both 32 analogue and 32 IP cameras, thereby also supporting seamless migration from analogue to digital. Further information on SISTORE MX can be found at: www.siemens.com/sistoremx.



	SISTORE MX NVR16
Display	
Video inputs (digital IP / Ethernet)	16
Video resolution (H x V)	up to 1280 x 1024
Recording	
Maximum Recording Speed	100 ips
Video resolution (H x V)	4 cameras – 1280 x 1024 9 cameras – 352 x 288 16 cameras – 352 x 288
Recording capacity	60 GB internal (NAS optional)
Alarms	
Alarm inputs (optional)	8
Alarm inputs / outputs combined (optional)	16 / 16
Alarm outputs (optional)	8
Video loss detection	■
Activity detection	■
Alarm log	■
Sabotage detection	■
Controls	
Easy-search via mask or timeline	■
PTZ / dome control	■
Fast forward / rewind controls	x 0.1 to x 50 speed
Password protection	10 levels
Connectivity	
RemoteView Software (free remote access)	■
VSS-SDK Vers. 1.4.2 / IVM software interface	■
SiPass access control interface	■
Export / Backup	
Image export	JPG or AVI via network
Image backup / archive (ext. software necessary)	via USB to CD / DVD burner

Welcome to the world of innovative thinking

■ Innovation

Siemens invests a great deal in both manpower and research and development. This results in a steady stream of new insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens is at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ Reliability

With a history of over a hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

■ Security

Siemens products and systems provide you with security. Today, tomorrow and for decades to come. That's why countless customers around the world place their trust in Siemens.



Siemens Switzerland Ltd
Building Technologies Group
International Headquarters
Gubelstrasse 22
6301 Zug
Switzerland
Tel +41 41 724 24 24
Fax +41 41 724 35 22

Siemens Building Technologies
A Division of Siemens Ltd (Australia)
885 Mountain Hwy
Bayswater, VIC, 3153
Australia
Tel +61 (0)3 9721 2000
Fax +61 (0)3 9720 9966

Siemens Limited
Building Technologies
Units 1006-10
10/F, China Resources Building
26 Harbour Road
Wanchai
Hong Kong
Tel +852 2870 7888
Fax +852 2407 4457

Siemens Pte Limited
Building Technologies
The Siemens Center
60 MacPherson Road
348615
Singapore
Tel +65 6490 6000
Fax +65 6490 6001

Bewator Limited
A Siemens Business
Brecon House
Llantarnam Park
Cwmbran
NP44 3AB
United Kingdom
Tel +44 (0)871 386 0800
Fax +44 (0)871 386 0888

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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