IP Video Recorder SISTORE MX 3G IPVR

V2.9x

SISTORE MX1600 1000/400
SISTORE MX1600 2000/400
SISTORE MX1600 4000/400

SISTORE MX IPVR is an IP-based recording and video monitoring system. It provides reliable local recording for IP cameras with flexible remote monitoring via LAN or ISDN.

- IP-based monitoring and digital video recording system for up to 32 IP cameras
- Certified according to BGV-Kassen and Fiducia (Banking approval)
- Kalagate certified watermarking for enhanced image tamper protection
- Recording speed up to 400 images per second (digital) at 640 x 480 with 25 ips in standard quality
- Camera sabotage detection (camera repositioning/spraying)
- Search Mask capability (Motion search/Smart Search) for search within recorded video locally and from the RemoteView station
- Pentaplex operation (simultaneous display, recording and playback of live images)
- Temperature management for enhanced system reliability
- High image quality with up to 5-megapixel recording for IP cameras (dependent on camera model)
- Supports most leading IP cameras including Siemens, Axis, JVC and others
- Graphical user interface for intuitive operation, reduced training needs and enhanced productivity
- Simultaneous display of up to 32 live images (multiplexed), also in RemoteView
- Direct connection to RemoteView upon alarm, including alarm processing

Answers for infrastructure.

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- Automatic messaging (e.g. alarms, failure) via e-mail or SMS
- Powerful search capabilities using timeline, logbook, Smartsearch, ATM data or date/time assist in the rapid location of required video footage
- Simple intuitive operation and configuration reduces commissioning time
- Simultaneous search of up to 4 cameras locally and remotely over LAN or ISDN
- Configurable pre-alarm recording per camera enhances functional flexibility
- Intelligent motion detection individually configurable for each camera
- PTZ control for dome and pan-and-tilt units possible from the RemoteView station via a CKA48xx control unit
- Multi-client function for access of up to 16 clients to one SISTORE MX
- Virtual guard tour on the RemoteView station for automatic connection of several sites assists in managing distributed or multisite systems
- Status indication of the switch outputs also via RemoteView
- Reference Image function facilitates camera maintenance by allowing an easy comparison of actual camera position and image quality with "as installed" settings
- Bandwidth limiting for remote viewing over low-bandwidth connections
- Watchdog for checking the operational reliability of the device
- Control via Video Software IVM
- Interface to SiPass access control system provides interoperability
- Interface connection to CDM (ATM) or POS via SISTORE MX interface box
- Embedded hardware using current processor technology (Core 2 Duo)

Functionalities

■ Display mode
The display mode is the unit's normal operating mode. In addition to live images displayed from selected cameras, all events such as loss of video, alarms and malfunctions are logged and reported in an easy to use overview screen.

■ Playback mode
The playback mode is used to review recorded video footage. SISTORE MX allows flexible and precise searching for specific events to quickly find the required video footage.

Access to playback/searching is regulated via administrative permission levels and can be restricted using 4-eyes principle. The MX has pentaplex capability so playing back footage does not affect either live view or recording speed. Archiving of video footage is possible to standard USB 2.0 devices or to an external DVD burner.

■ Configuration mode
Configuration mode is used for the following operations:
- Assignment of user rights
- Configuration of the analog and digital (IP) cameras including brightness, contrast and colour saturation, as well as digital inputs and outputs and serial inputs
- Camera parameter settings for motion detection, alarm contacts, signal outputs
- Time control, alarm forwarding, transmission, e-mail and SMS
- Network parameters, such as ISDN or LAN with bandwidth limitation.

■ Details for ordering

Type	Order No.	Designation	Weight*
SISTORE MX1600 1000/400	S54569-C193-A3	SISTORE MX1600 3G IPVR, 1TB, 400 ips	approx. 11.4 kg
SISTORE MX1600 2000/400	S54569-C193-A5	SISTORE MX1600 3G IPVR, 2TB, 400 ips	approx. 11.4 kg
SISTORE MX1600 4000/400	S54569-C193-A9	SISTORE MX1600 3G IPVR, 4TB, 400 ips	approx. 12.1 kg

* Device incl. packing material, accessories that are included in the delivery, and documentation

Further products and accessories can be found in the Internet: siemens.com/cctv **> Catalogue Downloads**.

Accessories (included in the delivery)
- Installation Manual
- Mouse
- EU power cord

■ Supported IP cameras:
For an overview of the supported cameras please refer to the document "SISTORE MX IP Cameras" (STEP No.: A6V10321167).

■ Technical data

Recording speed	400 ips (digital) at 640 x 480 with 25 ips in standard quality 800 ips (digital) at 320 x 240 with 25 ips in standard quality individually configurable for each camera
Video inputs	Up to 32 IP camera inputs via network
Network connection	2 x 10/100/1000 Base-T (RJ-45)
Digital inputs/outputs (opto-isolated, spring clamp)	16 alarm inputs 4 digital inputs 4 digital outputs (5 – 24 V, max. 50 mA)
Event control	Event-triggered recording of individual cameras or camera groups with configurable time-slot pattern Events: alarm contacts, motion detection, time control, TCP/IP command
Alarm signalling	Via monitor connection, digital output, LAN/WAN to RemoteView station
Interfaces	2 x RS485 / 6 USB 2.0 / 1 DVI-I (including VGA) / 1 DVI-D
Resolution	IP cameras: max. 5 megapixels depending on the camera
Compression	Recording: MJPEG, configurable data rate Transmission to RemoteView: MJPEG/MPEG4 (max. 2048 x 1536)
Hard disk capacity	Max. 4 hard disks SATA (1 TB each)
Backup recording media	Network / USB
Display resolution	Max. 2048 x 1536 (4:3 and 16:10 formats are supported)
Playback	Individual images, video sequence (replay rate configurable between 0.1 to 50 times), forward/backward, pause (frozen image)
Image search	By means of date, time, camera number, recording event, logbook, SmartSearch
Power supply	110 – 240 V (± 10 %), 50/60 Hz, max. 150 W
Ambient temperature, operating	5 – 40 °C
Rel. humidity	20 – 80 %, no condensation
Design variants	Desk-top, 19" rack-mountable, 2 RU
Dimensions (W x H x D)	430 x 87 x 440 mm

Siemens AG
Siemensallee 84
D-76187 Karlsruhe
Tel. +49 721 595 1

www.buildingtechnologies.siemens.com