



Hybrid video recording system SISTORE MX (Ver. 2.55)

- **Digital Hybrid Video Recording System for up to 32 analog and 16 IP cameras**
- **BGV-Certificate (UVV-Kassen)**
- **Recording speed of up to 100 images per second (analog) and up to 96 images per second (digital)**
- **Camera sabotage recognition (camera repositioning/ spraying)**
- **SearchMask for subsequent search within recorded sequences, also from the RemoteView station**
- **Triplex operation (simultaneous display, recording and playback of live images)**
- **Temperature management**

- High image quality
- Graphical user interface for intuitive operation
- Simultaneous display of up to 48 live images (multiplexed), also in RemoteView
- Direct connection to RemoteView upon alarm, incl. alarm processing
- Automatic messaging (e.g. alarms, failure) via e-mail or SMS
- Search using timeline, logbook, Smartsearch, CDM data or date and time
- Simple intuitive handling and configuration
- Simultaneous search of up to 4 cameras, also over LAN or ISDN
- Connection of up to 4 video monitors and basic video matrix function 32/4 (static, alarm connection, cycling)
- Recording of the pre-alarm history incl. recording time and recording speed individually configurable for each camera
- 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 branches
- 32 alarm inputs, 8 digital inputs and 16 switch outputs
- Status indication of the switch outputs also via RemoteView
- Audio channel for sound recording of a camera
- Storage of reference images permits to check preset camera positions at a later time
- Limitation of bandwidth
- Watchdog function to ensure safe and reliable operation
- Control via Video Software IVM
- Interface to SiPass access control system
- Interface connection to CDM (ATM) via SISTORE MX interface

SISTORE MX is a flexible digital recording and video monitoring system. It permits remote monitoring via LAN or ISDN. SISTORE MX requires no maintenance, and there is no need to change tapes or maintain them at high cost.

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.

Revision mode

The revision mode is used to review recorded sequences. The database allows flexible and precise queries of specific events and the corresponding recorded images. Access to this mode is regulated based on administrative permission levels and can be controlled using the 4-eyes principle. Recording and live image display continue undisturbed in revision mode.

Configuration mode

Configuration mode is used for the following operations:

- Administration of user rights.
- Configuration of the analog and digital (IP) cameras including brightness, contrast and color 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.

Technical data

SISTORE MX 16/24/32	
Recording speed	up to 100 images per second, individually configurable for each camera
Video inputs	32 x CCVS (BNC sockets), 1 V _{pp} / 75 Ohm, 16 IP camera inputs over 1x LAN
Outputs	1 x VGA, 4 x CCVS (BNC socket)
Trigger inputs	32
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
Digital inputs	8 for AND operations and system control functions
Digital outputs	16 switch/key outputs, configurable switching (rising or falling edge and duration)
Interfaces	2 x RS485, 1 x LAN, 4 x USB, 1 x SCSI (activation necessary), 1 x VGA, 1 x Audio in, 1 x Mic in, 1 x Audio out, optional: S0 interface for ISDN
PC keyboard, mouse	keyboard, mouse with USB connection, virtual keyboard (optional)
Video standard	PAL
Resolution	standard: 384 x 288 pixels, high resolution: 704 x 288 pixels
Compression	M-JPEG, configurable: variable between 10 and 80 KB
Text overlay in the video image	max. 16 characters
Font and background colours	freely selectable
Storage media	basic unit (E)IDE,
Memory capacity	500/750 GB data memory
External storage media	via network connection, USB
Display resolution	1024 x 768, 1280 x 1024
Playback	individual images, video sequence (replay rate configurable between 0.2 to 50 times), forward/backward, pause (frozen image)
Image search	by means of date, time, camera number, recording event, graphic activity search, logbook, SmartSearch
Video display formats	1 x 1, 2 x 2, 1 + 5, 3 x 3, 2 + 8, 4 + 9, 4 x 4, 6 x 6, 7 x 7 - 1 (48)
System self-monitoring function	hardware/software watchdog
Power supply	100 – 125 V, approx. 5.5 A, 200 – 240 V, approx. 3.0 A, 50 – 60 Hz, 235 W
Power input	appliance inlet
Temperature range	5 to 35 °C.
Design	Embedded
Dimensions (W x H x D)	430 x 87 x 370 mm

Details for ordering

Hardware	Type	Order No.	Designation	Weight
	MX 16 500/100	S24245- F5084-A2	Digital recorder, 16 cameras, 500 GB, LAN	11.0 kg
	MX 24 500/100	S24245- F5084-A3	Digital recorder, 24 cameras, 500 GB, LAN	11.0 kg
	MX 32 750/100	S24245- F5084-A4	Digital recorder, 32 cameras, 750 GB, LAN	11.0 kg
Software				
	8 cameras	S24245- P5097-A1	Enabling of 8 additional cameras	
	4 video outputs	S24245- P5097-A2	Enabling of 4 video outputs	
	SCSI	S24245- P5097-A3	Enabling of the SCSI interface	

Accessories

ISDN module (passive)	2GF4811-8FC	For use with SISTORE MX	0.8 kg
RCI0601 MX Multichannel Box	S24245- F5092-A1	For connection of cash dispensers and an access control system	1.2 kg
MXHDE 250 hard disk expansion kit 250 GB	2GF4811-8CD	For expansion of SISTORE MX V2.35 or higher	0.8 kg
MXHDE 500 hard disk expansion kit 500 GB	S24245- B5093-A1	For expansion of SISTORE MX V2.50 or higher	0.8 kg
19" mounting kit	C24245-A12- D2	Mounting parts for 19" rack	4.0 kg
TFT monitor, 15-inch	2GF3124-8AA	15-inch TFT color CCTV monitor	6.0 kg
TFT monitor, 17-inch	2GF3125-8AA	17-inch TFT color CCTV monitor	8.5 kg