



MX 4 250/50

MX 8 250/50

MX 16 500/50

## Hybrid Digital Video Recorder SISTORYRE MX (50 ips)

- Digital video recorder for up to 16 analog and 16 IP cameras
- Approval to VBG (UVV - accident prevention regulations for banks)
- Recording speed up to 50 images per second (analog) and up to 96 images per second (digital)
- Tamper detection (change of camera position / spraying)
- SearchMask for subsequent search within recorded sequences, also from the RemoteView station
- Pentaplex operation (simultaneous display, recording and playback of live images, remote access, multi-screen)
- Temperature monitoring
- High image quality
- Graphical user interface for intuitive operation
- Simultaneous display of up to 48 live images (multiplexed), also on the RemoteView station
- 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 configuration

- Simultaneous search of up to 4 cameras, also over LAN or ISDN
- Optional connection of up to 2 analog monitors and basic video matrix function 16/2 (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
- 16 alarm inputs, 4 digital inputs and 8 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 IVM video software (IVM version 3.0 or later)
- Interface to SiPass access control system
- Interface connection to cash dispensers (CDM) via optional MX multi-channel box
- Integrated SCSI interface for connection of external RAID systems (optional)

SISTORE MX is a flexible digital recording and video monitoring system for use with analog and IP cameras. It permits remote monitoring via LAN or ISDN.

#### **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, alarm occurrences and operational disturbances are logged and reported in an easy to use overview screen.

#### **Playback mode**

The playback mode is used to review recorded sequences. The database allows flexible and precise queries of specific events and the corresponding recorded video images. Access to this mode is regulated based on administrative permission levels and can be additionally controlled using the 4-eyes principle. Recording and live image display continue undisturbed in playback 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 colour saturation. Digital inputs and outputs and serial inputs are also configured in this mode.
- Camera configuration 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.

## Connections



## Technical data

Recording speed	max. 50 images per second, independently selectable for analog cameras max. 96 images per second, independently selectable for IP cameras
Video inputs	max. 16 x CCVS (BNC sockets), 1 V <sub>pp</sub> / 75 Ohm, 16 x IP camera inputs over LAN
Outputs	1 x VGA, 2 x CCVS (BNC socket)
Trigger inputs	16
Alarm signalling	via monitor connection, digital output, LAN/WAN to RemoteView station
Digital inputs	4 for AND operations and system control functions
Digital outputs	8 switching / key outputs; configurable switching (rising or falling edge and duration)
Interfaces	2 x RS485, 1 x LAN, 4 x USB, 1 x SCSI (must be enabled), 1 x VGA, 1 x Audio in, 1 x Mic in, 1 x Audio out, optionally: S0 interface for ISDN
PC keyboard, mouse	keyboard, mouse with USB connection, virtual keyboard (optional)
Video standard	PAL
Resolution	standard: 352 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
Memory capacity	250/500 GB data memory, expansion possible
External storage media	via network connection, USB, SCSI (optional)
Display resolution	1024 x 768, 1280 x 1024
Playback	individual images, video sequences (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	1x1, 2x2, 1 + 5, 3x3, 2 + 8, 4 + 9, 4x4, 6 x 6, 7x7 - 1 (48)
System self-monitoring function	hardware/software watchdog
Power supply	100 – 230 V AC, 50 – 60 Hz, approx. 120 W
Power input	appliance inlet
Temperature range	5 – 35 °C
Design	embedded
Dimensions (W x H x D)	430 x 87 x 370 mm

## Details for ordering

Type	Order No.	Designation	Weight
MX 4 250/50	S24245-F5084-A7	Hybrid digital video recorder, 4 cameras, 250 GB, LAN	11.0 kg
MX 8 250/50	S24245-F5084-A5	Hybrid digital video recorder, 8 cameras, 250 GB, LAN	11.0 kg
MX 16 500/50	S24245-F5084-A6	Hybrid digital video recorder, 16 cameras, 500 GB, LAN	11.0 kg
<b>Software enabling</b>			
MX4 I/P	S24245-P5098-A1	Enabling of 4 additional video inputs SISTORE MX	
MX8 I/P	S24245-P5098-A2	Enabling of 8 additional video inputs SISTORE MX	
MX O/P	S24245-P5097-A2	Enabling of the video outputs SISTORE MX	
MX SCSI	S24245-P5097-A3	Enabling of the SCSI interface SISTORE MX	

## Accessories, not included in delivery!

Type	Order No.	Designation	Weight
MX ISDN USB	2GF4811-8FC	USB-ISDN adapter for use with SISTORE MX	0.8 kg
RCI0601 MX Multi-Channel Box	S24245-F5092-A1	For connection of cash dispensers and an access control system	1.2 kg
MXHDE 250	2GF4811-8CD	Hard disk extension kit 250 GB for expansion of SISTORE MX	0.8 kg
MXHDE 500	S24245-B5093-A1	Hard disk extension kit 500 GB for expansion of SISTORE MX	0.8 kg
MX/CX rack	C24245-A12-D2	Mounting parts for 19" rack	4.0 kg
TFT monitor, 15-inch	2GF3124-8AA	15-inch TFT colour CCTV monitor standard line	6.0 kg
TFT monitor, 17-inch	2GF3125-8AA	17-inch TFT colour CCTV monitor standard line	8.5 kg
TFT monitor, 19-inch	2GF3129-8AA	19-inch TFT colour CCTV monitor standard line	9.5 kg
TFT monitor, 17-inch	2GF3126-8AA	17-inch TFT colour CCTV monitor eco TFT	3.8 kg