

SIEMENS



SISTORE MX NVS

Application Software For Network-Based Video Recording

Installation Manual

V2.80

Building Technologies

Fire Safety & Security Products

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About this document

This document contains information on the installation, configuration and setup of SISTORE MX NVS. For more detailed information on configuration please refer to the Configuration Manual. For information on operation please refer to the User Manual.

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1 Safety

1.1 Target readers

The instructions in this document are designed for the following target readers:

Target readers	Qualification	Activity	Condition of the product
Operational startup personnel	Has working knowledge of computers. Training on the product is recommended.	Puts the product into operation for the first time, or changes the existing configuration.	The product is not yet installed and configured.
End user	Has working knowledge of computers. Instruction by technical specialists is necessary.	Performs the procedures for proper operation of the product.	The product is not yet installed and configured.

1.2 Work safety information

- Read the general safety precautions before installing the software.
- Keep this document for reference.
- Always pass this document on together with the device.

1.2.1 Handling

Damage due to improper handling

- Protect the CD from scratching.
- To clean the CD use a soft dry cloth.

1.2.2 Transport

Damage during transport

- Always transport the CD in the case it originally came in.

1.2.3 Storage

Damage due to improper storage

- Always store the CD in its protective case.
- Keep the CD in an environment with a relative humidity of 10 – 90 %.
- Keep the CD between -5 and +55 °C.
- Do not store the CD in excessively dusty places.
- Do not keep the CD close to sources of magnetic radiation.
- Protect the CD from moisture.
- Protect the CD from direct sunlight.

1.2.4 Service and maintenance

Data loss after update

- Make sure to backup all data before updating the system.

2 Package contents

- CD with SISTORE MX NVS software
- SISTORE MX NVS Configuration Manual and User Manual on CD
- SISTORE MX NVS Installation Manual
- Supplement Getting Started in six languages
- USB dongle for software licence with 4, 9, 16, 32 or 64 LAN cameras

Dongle 4	Operation of 4 LAN cameras
Dongle 9	Operation of 9 LAN cameras
Dongle 16	Operation of 16 LAN cameras
Dongle 32	Operation of 32 LAN cameras
Dongle 64	Operation of 64 LAN cameras



If no USB dongle is installed, the software only runs in demo mode. In demo mode you can configure and evaluate only one LAN camera.

3 Details for ordering

Type	Order No.	Designation
SISTORE MX NVS 4	S24245-P5099-A1	Open IP software for 4 IP cameras
SISTORE MX NVS 9	S24245-P5099-A2	Open IP software for 9 IP cameras
SISTORE MX NVS 16	S24245-P5099-A3	Open IP software for 16 IP cameras
SISTORE MX NVS 32	S24245-P5099-A4	Open IP software for 32 IP cameras
SISTORE MX NVS 64	S24245-P5099-A5	Open IP software for 64 IP cameras

Accessories, not included in delivery!

Type	Order No.	Designation
USBOPTO8	2GF4811-8CH	USB input module - 8 channels with optocoupler function
USBREL8	2GF4811-8CG	USB output module - 8 channels with relay function
USBOPTOREL16	2GF4811-8CJ	USB input and output modules with 16 optocoupler inputs and 16 relay outputs
CKA4820	2GF2400-8EC	PTZ control unit with joystick
MX Multi-Channel Box (CDM, POS, Data)	S24245-F5092-A1	For connection of cash dispensers or cash box systems



Further accessories can be found in the Internet: www.buildingtechnologies.siemens.com > **Products & Systems > Electronic Security > Catalogue Downloads.**

4 System requirements

4.1 SISTORE MX NVS (server)

- Operating system Windows XP SP2 or higher, or Windows Vista
- Pentium IV 2.6 GHz or higher (max. 16 cameras)
- Pentium IV 3.0 GHz or higher, or rather Core 2 Duo / Quattro 2.6 GHz or higher (up to 64 cameras)
- Min. 1 GB RAM, max. 2 GB with Windows XP
- Min. 1 GB RAM, max. 4 GB with Windows Vista
- S-VGA graphics card, 1024 x 768, 16-bit colour depth, graphics memory 64 MB or higher
- The graphics card driver must fully support Direct X functionality V9.0C or higher
- Hard disk capacity 120 GB or higher
- System partition 10 GB or more
- CD/DVD burner
- MF2 keyboard, mouse
- Network connection
- Min. 2 USB ports (2.0)
- Internet Explorer 6.x or higher
- Monitor with min. 17-inch screen
- Display resolution 1024 x 768 pixel or higher
- Optional: Laser printer or inkjet printer



Some AMD processors do not support the **tamper detection** function. The corresponding buttons will be disabled in the software.



For the **Bank mode** or **Cash dispenser** function the hard disk must at least have 2 data partitions.

4.2 SISTORE RemoteView (client)

- Operating system Windows XP SP2 or higher, or Windows Vista
- Pentium IV 2.6 GHz or higher (max. 16 cameras)
- Pentium IV 3.0 GHz or higher (up to 36 cameras)
- Min. 1 GB RAM, max. 2 GB RAM with Windows XP
- Min. 1 GB RAM, max. 4 GB with Windows Vista
- S-VGA graphics card, 1024 x 768 or 1280 x 1024, 16-bit colour depth, graphics memory 64 MB or higher
- The graphics card driver must fully support Direct X functionality V9.0C or higher
- CD-ROM drive
- MF2 keyboard, mouse
- Network connection
- Min. 2 USB ports (2.0)
- Internet Explorer 6.x or higher
- Monitor with min. 17-inch screen
- Display resolution 1024 x 768 or higher
- Optional: Laser printer or inkjet printer
- Optional: CD/DVD burner

5 Software description

SISTORE MX NVS consists of a scalable client-server architecture. The SISTORE MX NVS servers and the SISTORE RemoteView clients are distributed in the network and enable the design and configuration of small to large video monitoring systems.

5.1 SISTORE MX NVS (server)

Each server supports the administration, recording and playback of up to 64 LAN cameras. For larger systems, multi-server configurations are supported. It is possible to connect LAN cameras from Siemens as well as from third parties to the server. See Section 5.3 General information on LAN cameras.

5.2 SISTORE RemoteView (client)

SISTORE RemoteView is a client application which can be installed independent of the other software components. In this version SISTORE RemoteView, SISTORE Player and the Software Codec are installed. SISTORE RemoteView is only used for the evaluation of video data.

5.3 General information on LAN cameras

Be aware of the following when using LAN cameras:

- Multiple users can access LAN cameras simultaneously. Simultaneous access by multiple users lowers the frame rate.
- Settings made by a user on a LAN camera, such as modifying the image parameters via a browser, have system-wide effects.

SISTORE MX NVS supports the following LAN cameras:

Arecont	Vision 1300, Vision 2100, Vision 3100, Vision 3130 Day, Vision 3130 Night
Axis	205, 206/W, 206M, 207MW, 209FD, 210, 211, 211M, 212 PTZ, 213 PTZ, 215 PTZ, 216FD, 216MFD, 221, 223M, 225FD, 231D+, 232D+, 233D, 240Q, 241Q, 241S, Generic HTTP Interface V1.0, VAPIX Interface
CBC	MP2A, MP3DN Day, MP3DN Night
Convision	VISTABOX 6XX
Dallmeier	DF3000 IP
Digilan	TV7214
Eneo	ENC-1003L
IQ invasion	IQ501, IQ510, IQ511, IQ603, IQ 752, IQ753, IQ755
JVC	VN-C10U; VN-C30U, VN-C625U, VN-C655U
Lumenera	LE175C, LE275C, LE375C

Mobotix	D12 one or two cameras, M1 Models, M10 Models, M10D-Night, M12 Models, M12D-Night, M22M
Panasonic	KX-HCM-280, WV-NF284, WV-NM100/G, WV-NP1000, WV-NP244E, WV-NP472, WV-NS202, WV-NS320, WV-NW470, WV-NW960
Pixord	205
Samsung	SNC-L200
Siemens	CCIC1410, CCIS1337-LP, CCIX1345, CFVA-IP, CVVA-IP, CFMC1315 LP, CCID1410, CCMC1315 LP, TELSCAN WEB Server
Sony	Generic HTTP interface, SNC-CS11, SNC-CS3P, SNC-DF40P, SNC-M1/W, SNC-M3/W, SNC-P1, SNC-P5, SNC-RZ25P, SNC-RZ30P/2, SNC-RZ50P, SNC-Z20P, SNT-V704
Toshiba	IK-WB21A
VINWP1	2051
Vivotek	MJPEG Models, PZ6122, VS2402, IP7138

Depending on the functional scope of the LAN camera, many operating elements of the **LAN cameras** tab may be disabled.

Altogether a maximum of 64 LAN cameras can be connected.

Access to LAN cameras takes place with significantly greater **latency**. The reason for this is the greater communication load between the SISTORE MX NVS and a LAN camera. Besides the LAN cameras, the network also has an effect on the latency.

The operation of the system can be slow if all connections for LAN cameras (64) are used.



To keep the processor load below 90 %, we recommend setting the resolution of LAN cameras low (CIF format). The image quality should be set to approximately 70 %. The following rule applies: The higher the performance of the server PC, the higher the image quality and the lower the processor load. See Section 4 System requirements.

Exact specifications for the image quality and the required hard drive capacity are not possible with LAN cameras, since each LAN camera has different quality levels and interprets specifications differently.

6 Installation

6.1 Installing SISTORE MX NVS

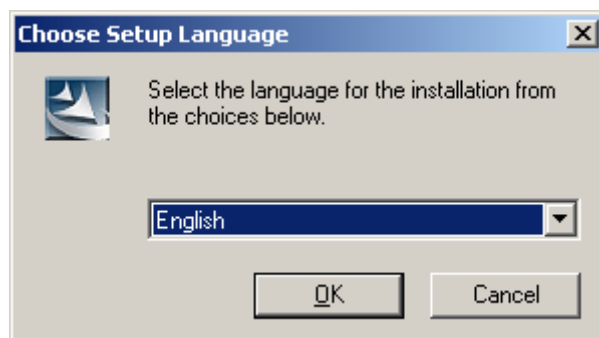
Prerequisites:

- The user must be logged in to Windows at least as a main user or rather as an admin user. This applies to the first-time installation of the software as well as to a subsequent driver update.
- For the system requirements please refer to Section 4: System requirements.

1. Place the CD in the appropriate drive of your PC.
2. Start **SISTORE_MX_NVS_280.exe**.

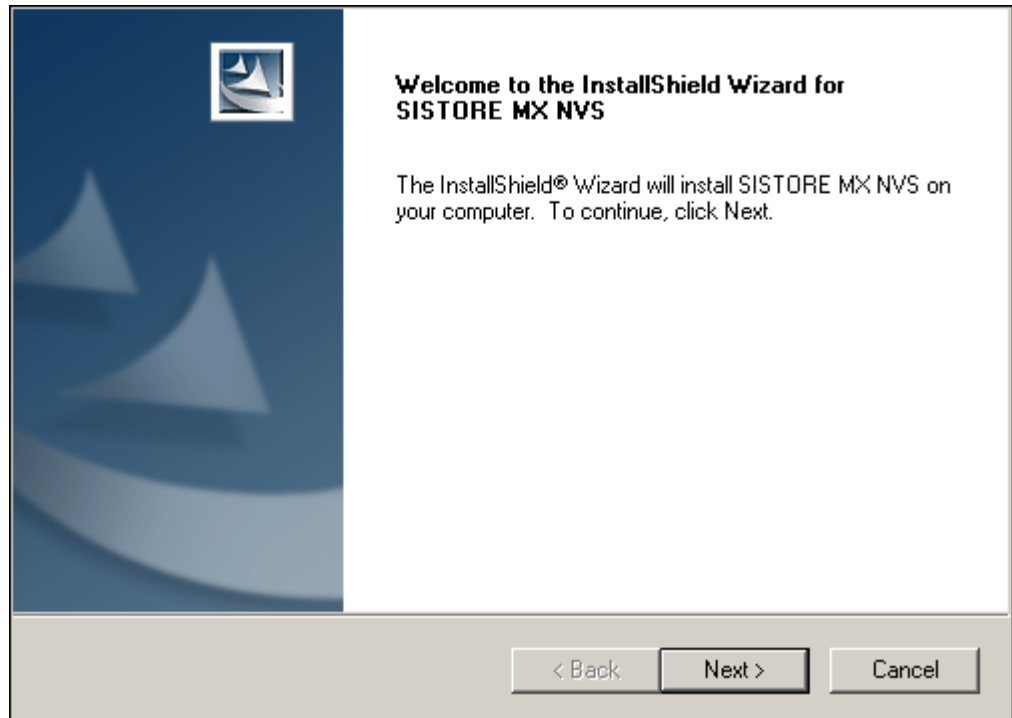


The installation program will start automatically when the CD is inserted if your operating system has the appropriate configuration.



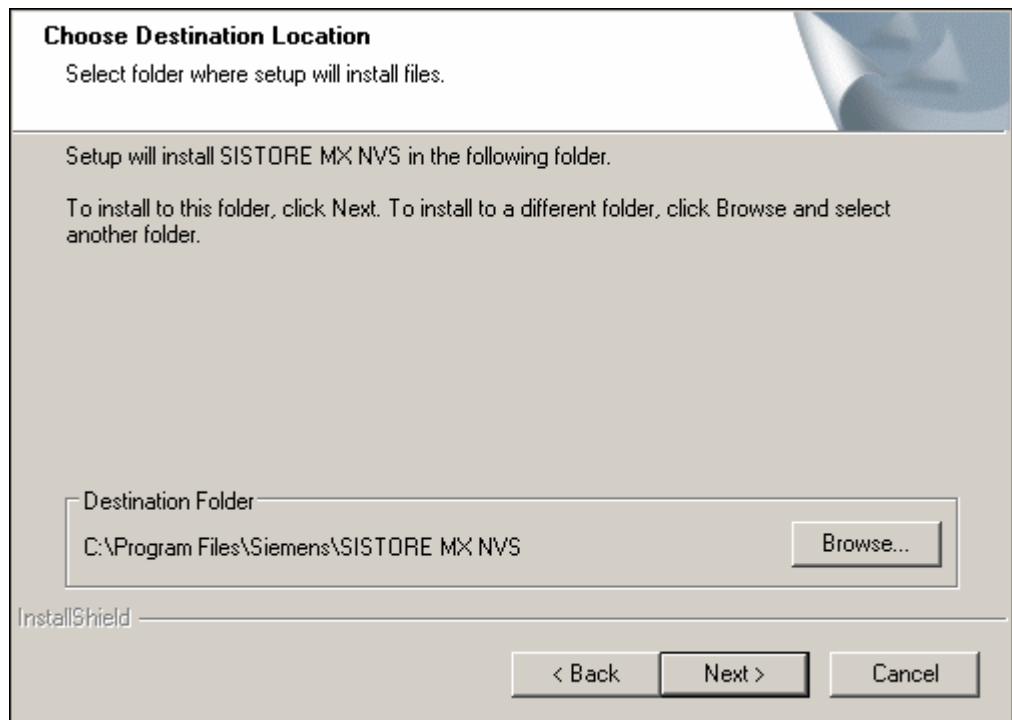
3. Select a language.
4. Click **OK**.

→ The following window will appear:



5. Click **Next**.

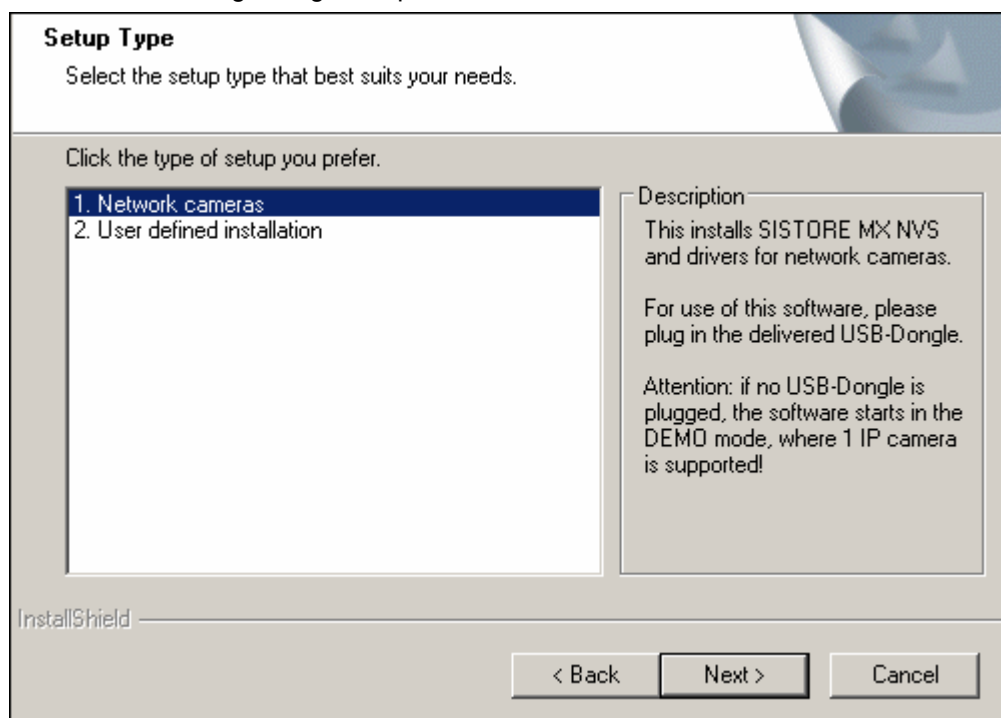
→ The following dialog box opens:



6. Select a destination folder.

7. Click **Next**.

→ The following dialog box opens:



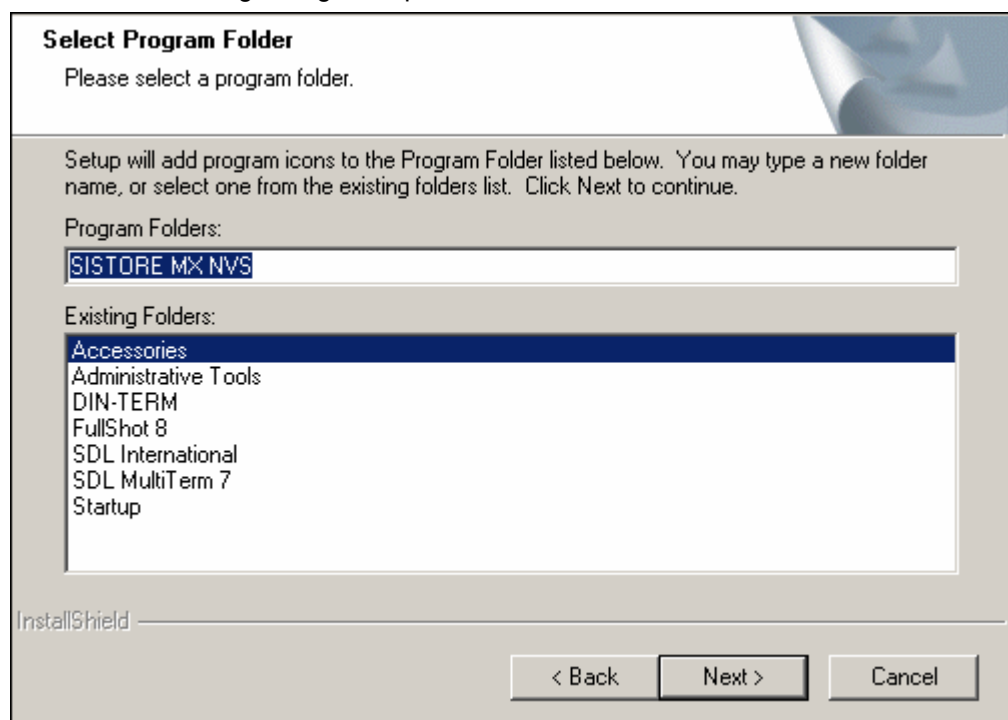
8. Select the desired software component (see Section 5 Software description).



More information on user-defined installation can be found in Section 6.2 Subsequently installing a hardware driver.

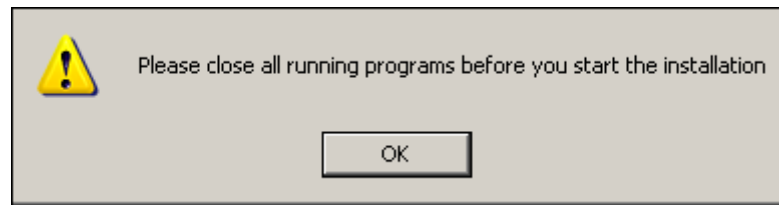
9. Click **Next**.

→ The following dialog box opens:

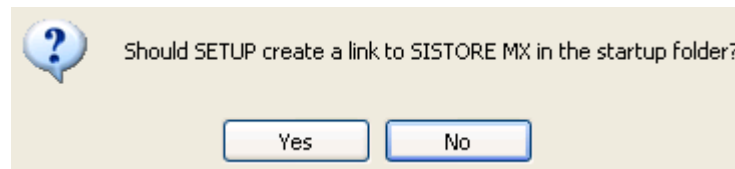


10. Enter the name of the program folder and click **Next**.

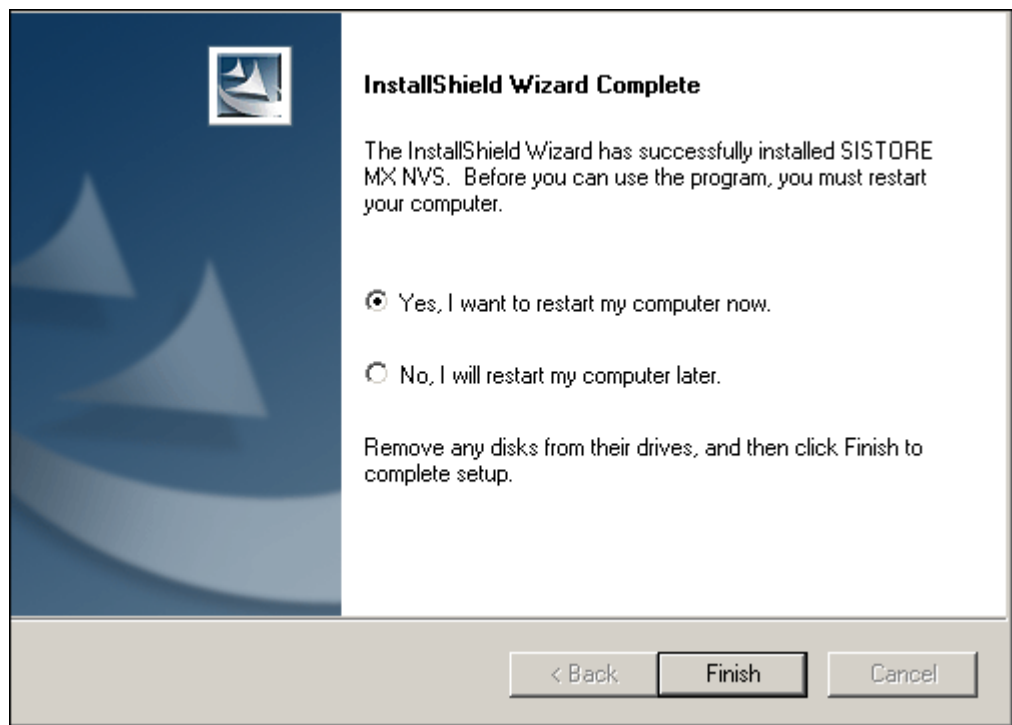
→ The following window will appear:



11. Close all programs and click **OK**.
 - The desired components will now be installed.
12. Click **Next**.
 - The following window will appear:



13. Confirm with **Yes**.
 - The following dialog box opens:



14. Click **Finish**.
 - The computer will be restarted.
15. After restarting your PC, connect a USB dongle to the USB port.
See Section 2: Package contents.
16. Follow the instructions of the InstallShield Wizard until the dongle driver is installed correctly.
17. Restart SISTORE MX NVS.

6.2 Subsequently installing a hardware driver

Prerequisites:

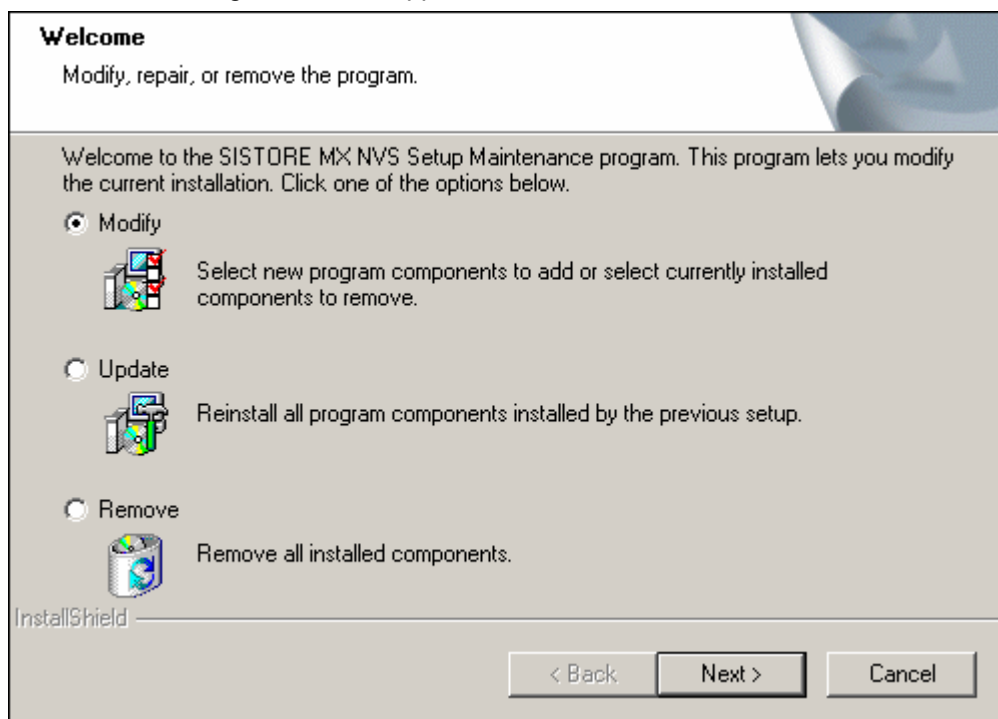
- The user must be logged in to Windows at least as a main user or rather as an admin user. This applies to the first-time installation of the software as well as to a subsequent driver update.
- For the system requirements please refer to Section 4: System requirements.

1. Place the CD in the appropriate drive of your PC.
2. Start **SISTORE_MX_NVS_280.exe**.



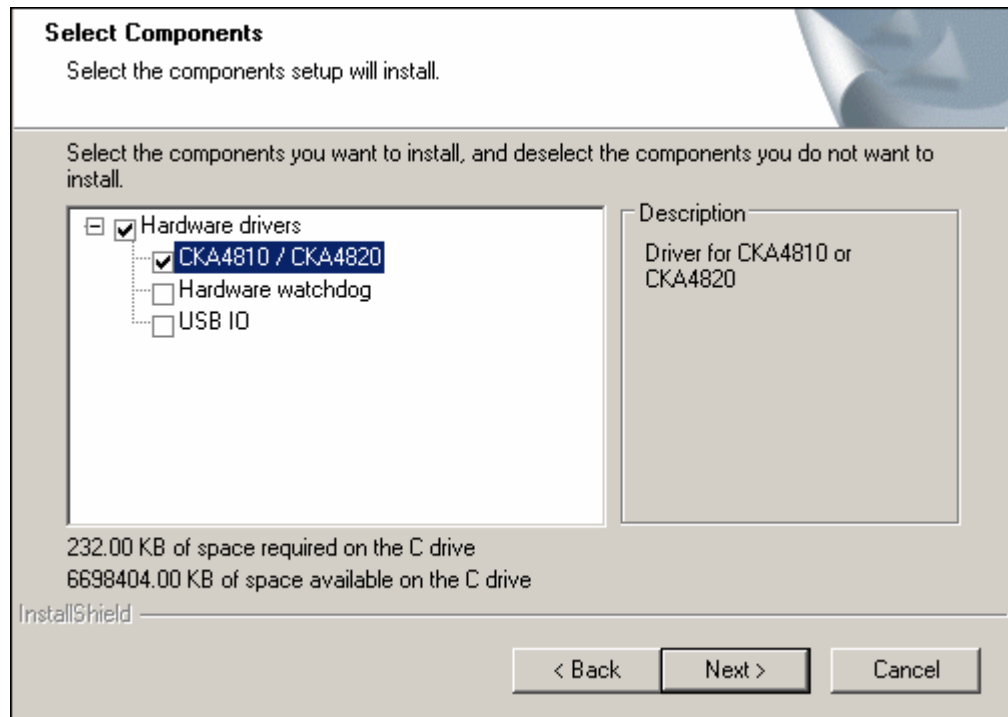
The installation program will start automatically when the CD is inserted if your operating system has the appropriate configuration.

→ The following window will appear:



3. Select the option **Modify**.
4. Click **Next**.

→ The following dialog box opens:

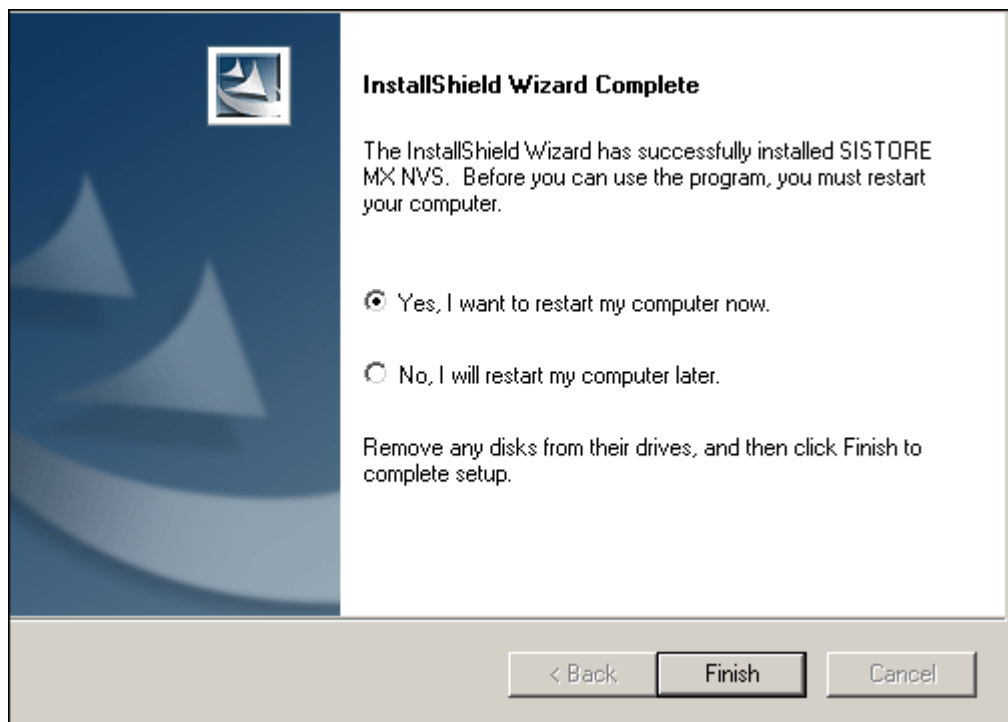


Hardware driver	Function
CKA4810 / CKA4820	Activation of a CKA control panel
Hardware watchdog	Activation of an additional module in the PC (type PWDOG1 from Quancom)
USB IO	Activation of inputs and outputs via USB modules
WIBU dongle	Licence dongle for 4, 9, 16, 32 or 64 LAN cameras

5. Select **CKA4810 / CKA4820** or **Hardware Watchdog**.

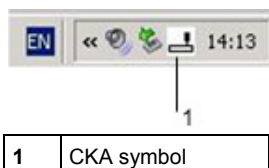
6. Click **Next**.

→ The following dialog box opens:



7. Click **Finish**.

- The computer will be restarted.
- When the computer is restarted, the symbol for CKA will appear in the task bar.



8. Restart SISTORE MX NVS RemoteView.

6.3 Installing RemoteView on a client PC

Prerequisite:

- The user must be logged in to Windows at least as a main user or rather as an admin user. This applies to the first-time installation of the software as well as to a subsequent update.
 - For the system requirements please refer to Section 4: System requirements.
1. You can either use a CD drive or copy the software supplied onto a memory stick.
 2. Launch the file **SISTORE_MX_RemoteView_280.exe**.



The installation program will start automatically when the CD is inserted if your operating system has the appropriate configuration.

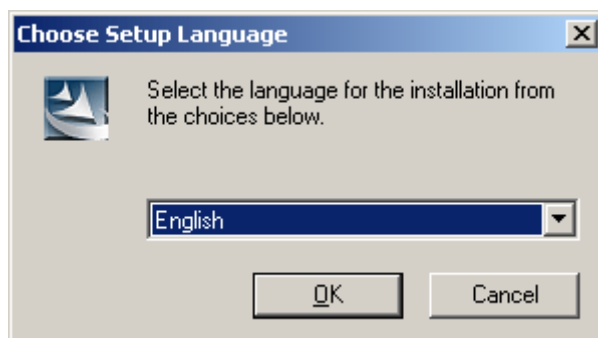


Fig. 1 Setup language

3. Select a language.
4. Click **OK**.

→ The following dialog box opens:

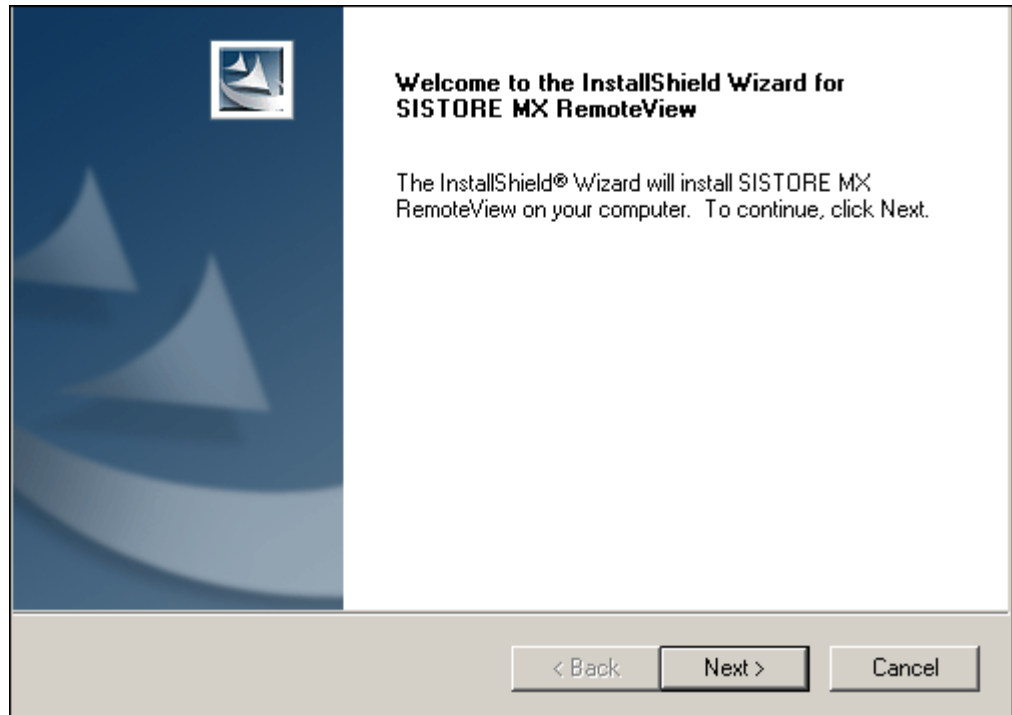


Fig. 2 InstallShield Wizard

5. Click **Next**.

→ The following dialog box opens:

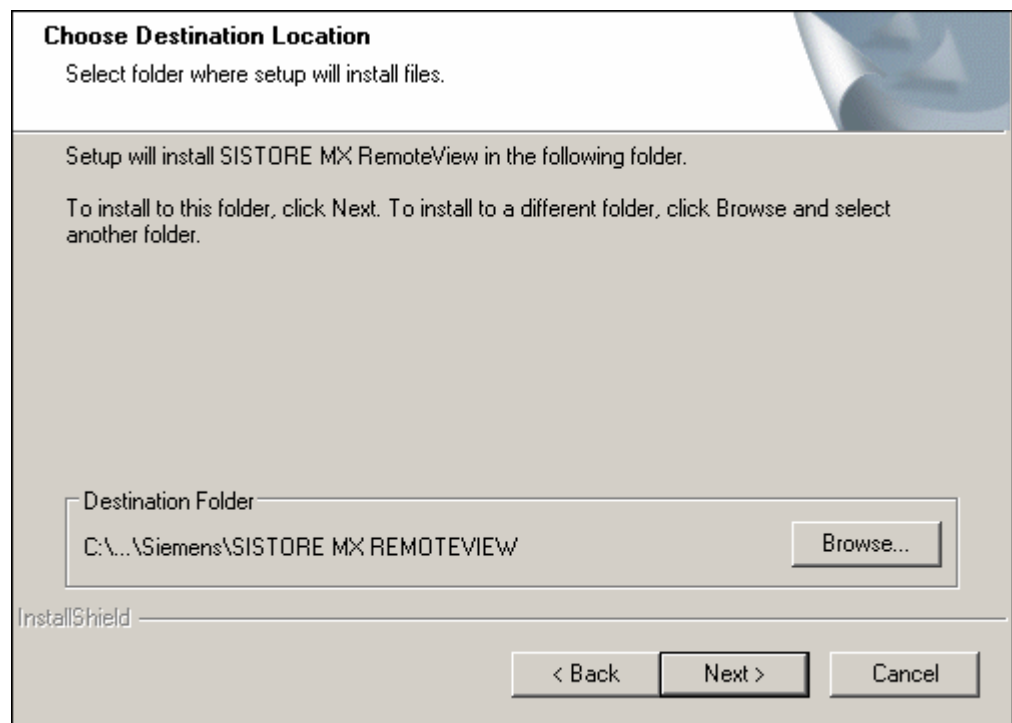


Fig. 3 "Choose Destination Location" dialog

6. Do not change the destination folder.

7. Click **Next**.

→ The following dialog box opens:

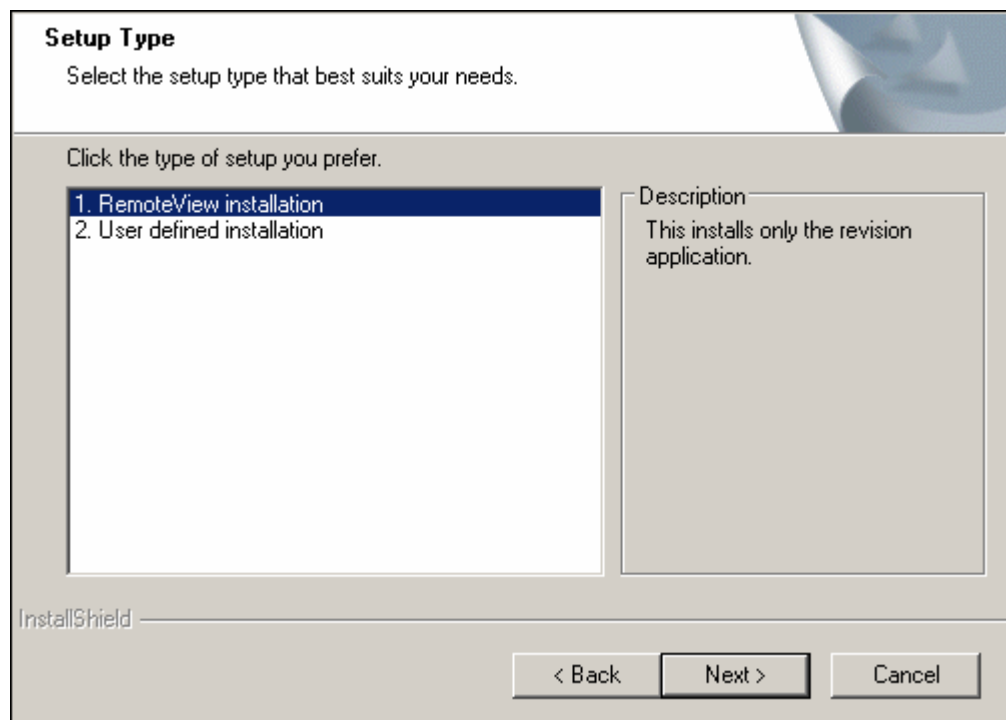


Fig. 4 "Setup type" dialog

8. Select the setup type **RemoteView**.

9. Click **Next**.

→ The following dialog box opens:

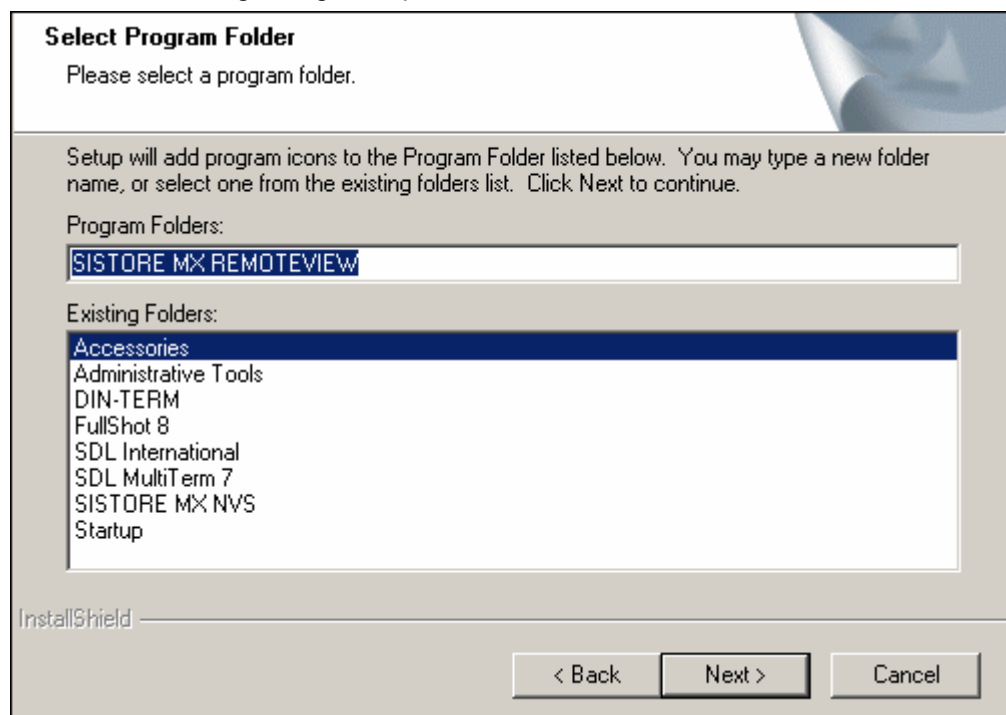
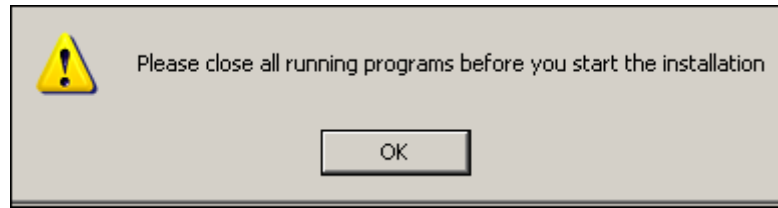


Fig. 5 "Select program folder" dialog

10. Do not change the SISTORE MX REMOTEVIEW program folder.

11. Click **Next**.

→ The following window will appear:



12. Close all programs and click **OK**.

→ The installation will now be carried out.

→ Wait until the window **InstallShield Wizard Complete** appears:

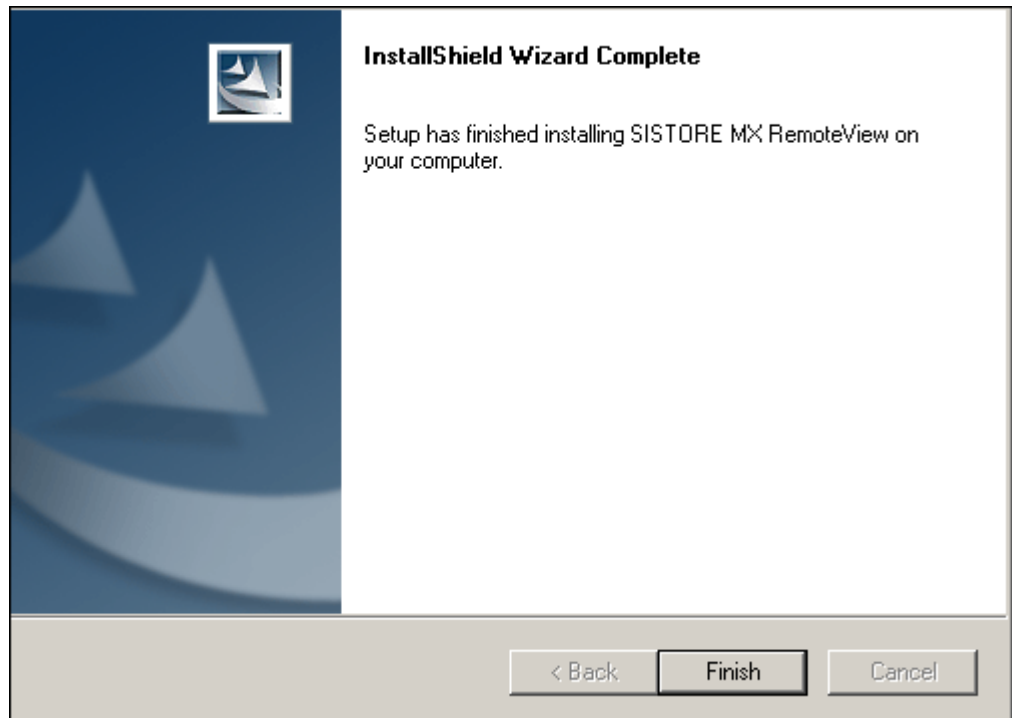


Fig. 6 "InstallShield Wizard Complete" dialog

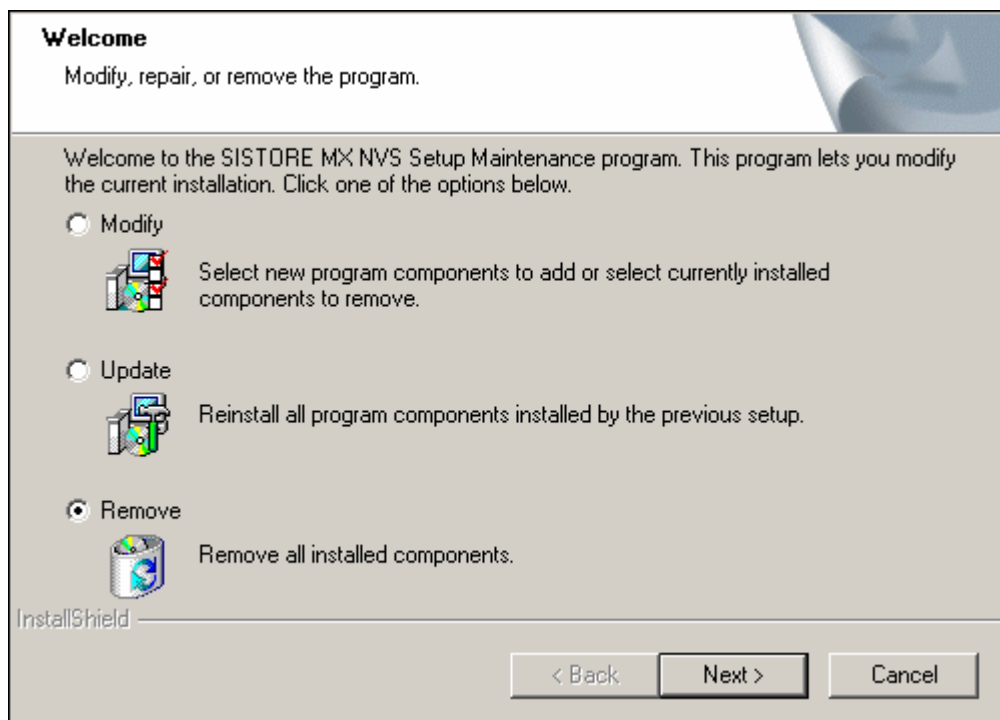
13. Click **Finish**.

→ SISTORE RemoteView has been installed.

6.4 Removing SISTORE MX NVS

1. Start **SISTORE_MX_NVS_280.exe**.

→ The following window will appear:



1. Select the option **Remove**.

2. Click **Next**.

→ This automatically takes you to the end of the program.



If the CEVIS or Siemens directory still exists after uninstalling the program, it has to be deleted manually.

6.5 Updating SISTORE MX NVS and RemoteView software

6.5.1 From version 2.5x to version 2.80



If you upgrade to a newer version of the program, the parameters of the previous version will be saved automatically.

1. Start either **SISTORE_MX_NVS_280.exe** or **SISTORE_MX_RemoteView_280.exe**.
2. Answer **Next** and/or **Finish** in the subsequent dialogs.
3. Confirm that you want to delete the old version.
→ The new version will now be installed.
4. If necessary, delete the old \CEVIS or \SIEMENS directory manually.
5. Select **Start > Programme > SISTORE MX NVS** or **Start > Programs > SISTORE RemoteView** to start the desired program.

6.5.2 From version 2.6x and higher to version 2.80

1. Start either **SISTORE_MX_NVS_280.exe** or **SISTORE_MX_RemoteView_280.exe**.
2. Answer **Next** and/or **Finish** in the subsequent dialogs.
→ The new version is now installed.

7 Configuration

7.1 Starting the software

1. Double-click on the desktop shortcut **SISTORE MX NVS**.

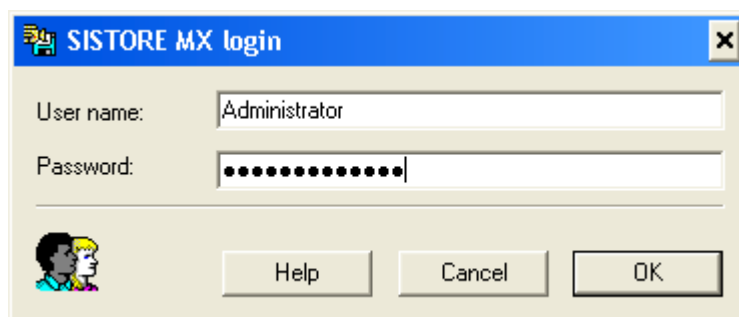


– OR –

Select the directory **SISTORE MX NVS** in the Windows start menu.

7.2 Login

1. Choose **Login** from the **File** menu.
2. Click on the **Login** button  in the toolbar.
→ The following dialog box will appear:



3. Enter the following in the login dialog:

User name	Enter the user name created for you by the administrator. The entry is case-sensitive. (Default in the delivery configuration: user name = Administrator)
Password	Enter the password created for you by the administrator. The password is displayed as asterisks (***). The entry is case-sensitive. (Default in the delivery configuration: password = Administrator)

4. Confirm with **OK**.



We advice to change the administrator's password. The user name "Administrator" cannot be deleted.

7.3 Show last users to log on

1. Click on the arrow in the **Login** button



→ The last five users to log on will be displayed.

7.4 Change password

There are two options for changing the password:

- By selecting the menu item **New password**
- By selecting the menu item **User management**

7.4.1 Changing the password using the menu item New password

1. Select **New password** in the **File** menu.
2. Enter the current password in the appropriate field for the **Old password**.
3. Enter the new password in the fields **New password** and **Confirm password**.



The password should be at least eight characters long.

4. Confirm with **OK**.

7.4.2 Changing the password using the menu item User management

Prerequisite:

- You need the authorisation **Configuration**.

1. Select **Configuration** from the **Administration** menu.
→ The **Configuration** dialog appears.
2. Select the **User management** tab.
3. Enter the new password in the fields **Password** and **Confirm password**.

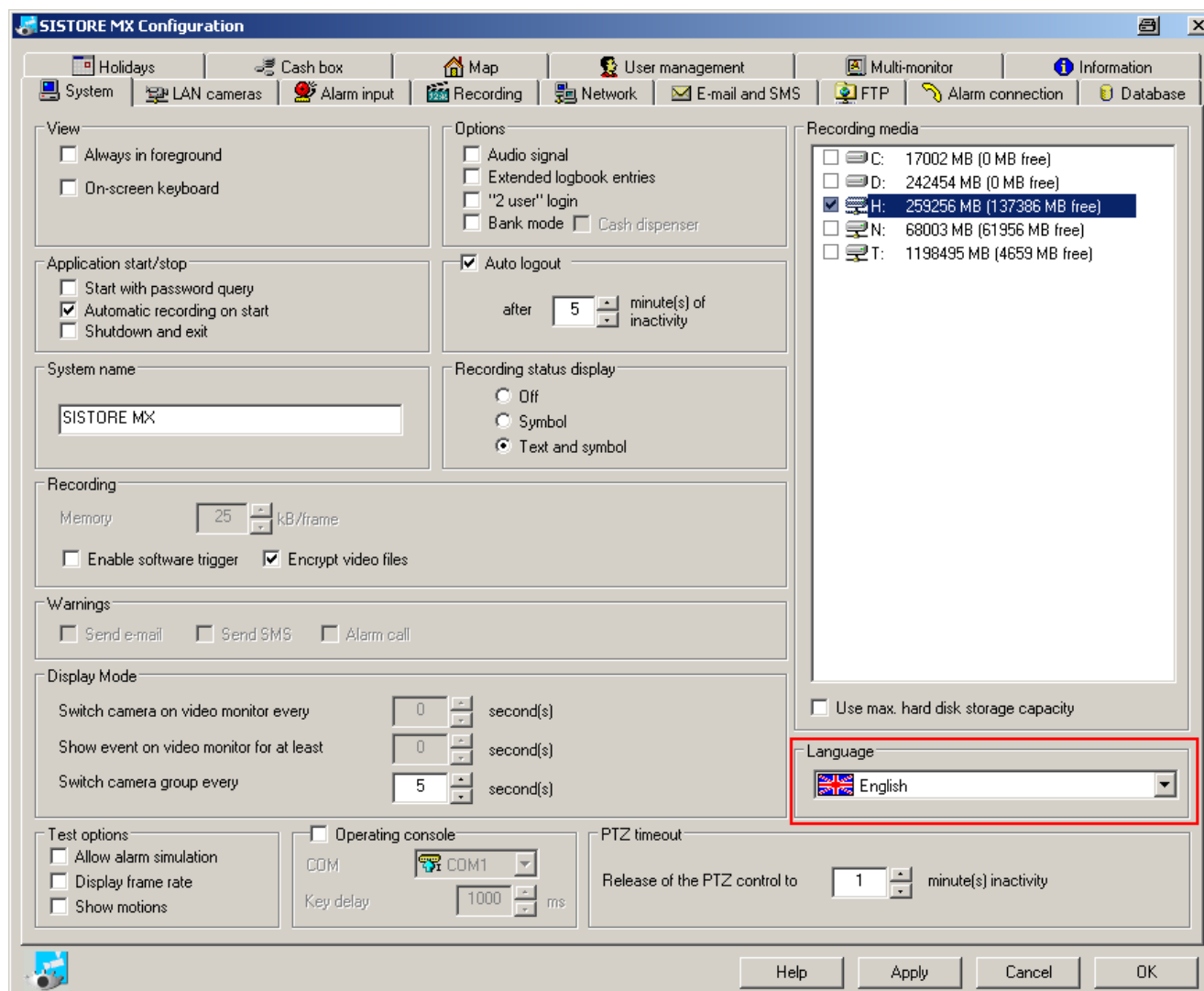


The password should be at least 8 characters long.

4. Confirm with **OK**.

7.5 Select language

1. Select the menu sequence **Administration > Configuration**.
→ The **Configuration** dialog box will appear.
2. Select the **System** tab.



3. Select the desired language.
– OR –
Select **Automatic** and the application starts in the language set as the regional language in the operating system.
4. Click **OK**.
5. Restart SISTORE MX NVS.
→ The language has been changed.



- To have the Windows dialogs (e.g. Print, Save AS...) displayed in another language, you must additionally change the language of the operating system in the Control Panel.
- To change the date and time format, make the desired settings in the Regional Options in the Control Panel.

7.6 Resolution and file format

The files stored by SISTORE MX NVS have the extension .K26 or .AVI depending on the system parameterization. These settings are made in the **Recording** section in the **System** tab of the **Configuration** dialog.

Files with the extension .K26 are encrypted image files in AVI-similar format. They can be evaluated only with the SISTORE Player. To create these files, select the **System** tab in the **Configuration** dialog and tick the checkbox **Encrypt video files** in the **Recording** section.

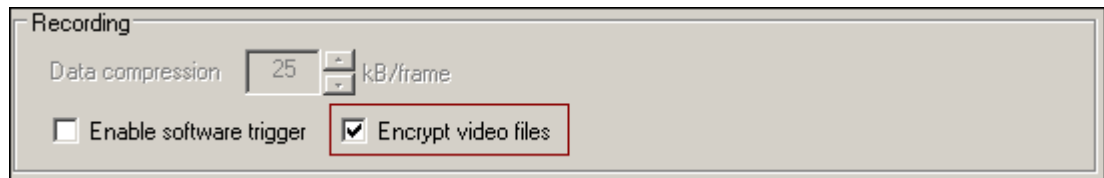


Fig. 7 "Encrypt video files" checkbox

AVI files can be handled with the Media Player of Windows provided that the operating system provides an appropriate codec.

The resolution of the images stored in these files is dependent on the operating characteristics of the individual cameras and the settings made.

The resolution of the transmitted images can be configured individually for each camera.

7.7 Set date and time of client PC

Adjust the time of your PC to the time zone where your PC is run, e.g. GMT + 01:00 Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna.

You can set these parameters in the dialog box that you open via the Start menu:

Start > Settings > Control Panel > Date and Time:

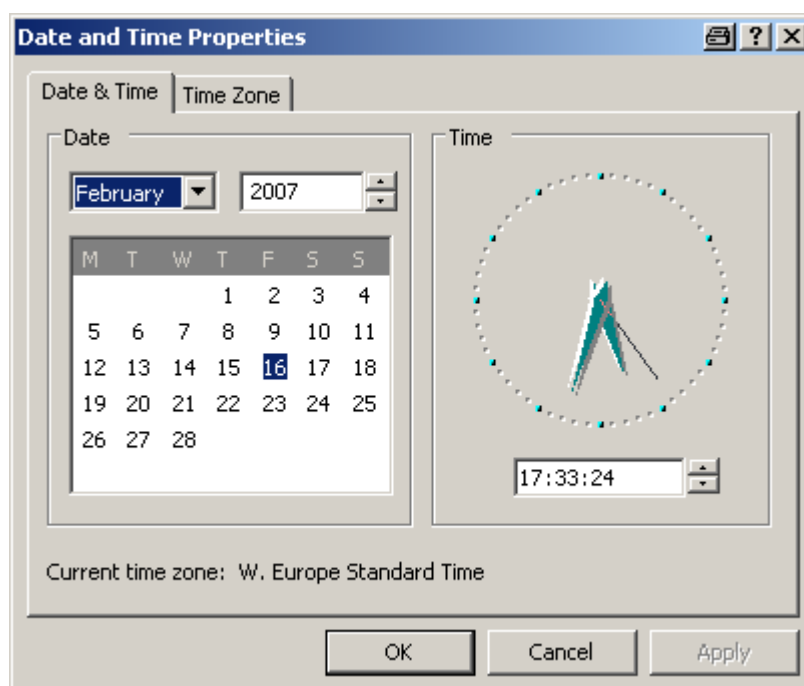
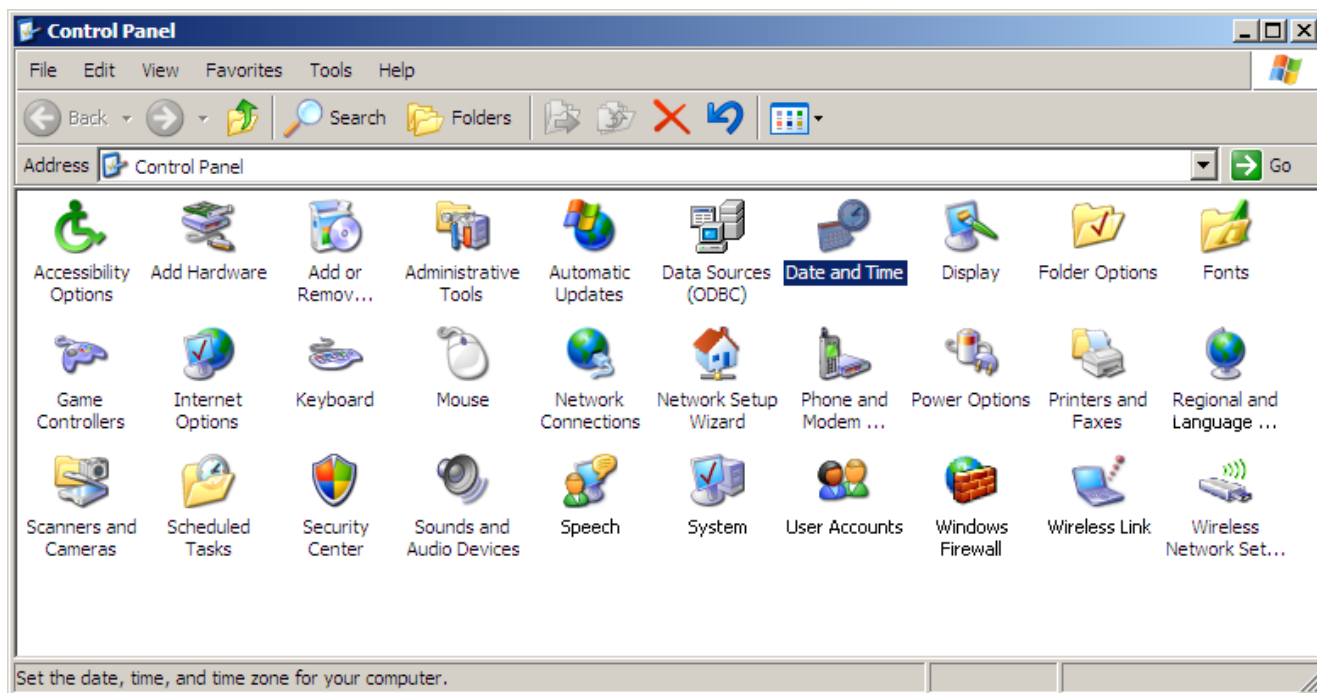


Fig. 8 Open Date/Time dialog box from the Start menu

7.8 Get time of Client PC from an NTP Server

An NTP Server always provides the current time. The time of your PC will be updated continuously with the time from the NTP Server. This is a periodic synchronization mode, i.e. the time is updated at regular intervals. In order to get the time from an NTP Server the IP address of the NTP Server must be specified.

1. Open the command prompt of your PC via the Windows Start menu.
2. Enter the following command:
net time /setsntp:xxx.xx.xx.xxx
3. Enter the IP address of the NTP Server for xxx.xx.xx.xxx.

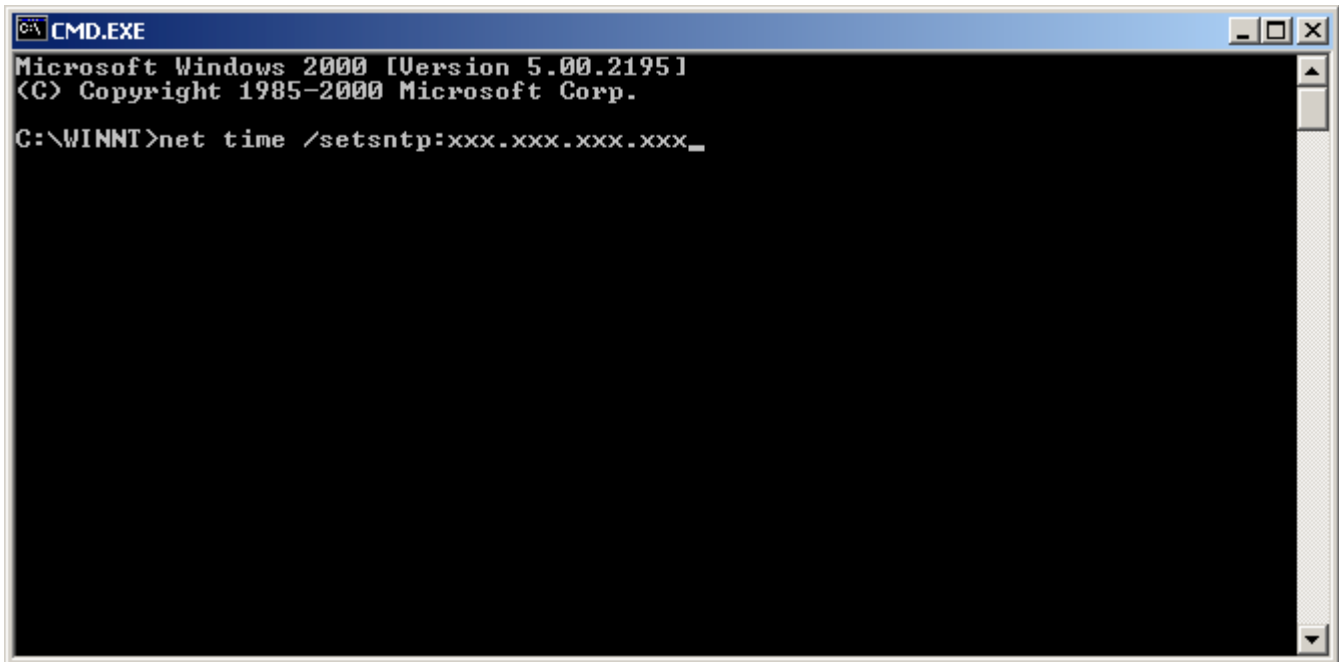


Fig. 9 Command prompt window

4. Restart your PC or enter the following command in the command prompt of your PC:
net stop w32time
net start w32time



The IP address of an appropriate server can be found in the Internet or you can contact your system administrator.

7.9 Further information

For more information on the SISTORE MX NVS V2.80 software (and the WebView version), please refer to the online help or to the relevant document on the software CD.

8 Software update

Should it be necessary to reinstall or repair the SISTORE MX NVS software, please proceed as follows:

1. Follow the description in Section 6.2 Subsequently installing a hardware driver.
2. Select the option **Update**.
 - This will have the effect of re-installing every files that have been installed during the first installation. It should be noted that existing files may be overwritten in this procedure! The files containing the configuration settings, the user management data, and the recorded sequences will not be overwritten.

9 Writing to CD/DVD

Prerequisite:

- In order to backup data on CD/DVD, the burner software Nero V6.x must be installed on the NVS PC.



The functions **Double Layer** and/or **Light Scribe** are available only if the following conditions are met:

- A suitable burner is available.
- The burner software Nero Version 6.6.4.x or higher or Version 7.x is installed.

The software has been tested successfully using the following external USB burners (combined CD/DVD burners):

- Plextor PX-740UF
- LiteOn SOHW-1673 SX-02
- LG GSA-2164D-R



Suitable data media are all standard CD-R, CD-RW, DVD±R, DVD±RW.
The data medium need not be formatted additionally.

10 Setup

Examples of system configurations can be found in the following chapters.

10.1 SISTORE MX NVS Server PC

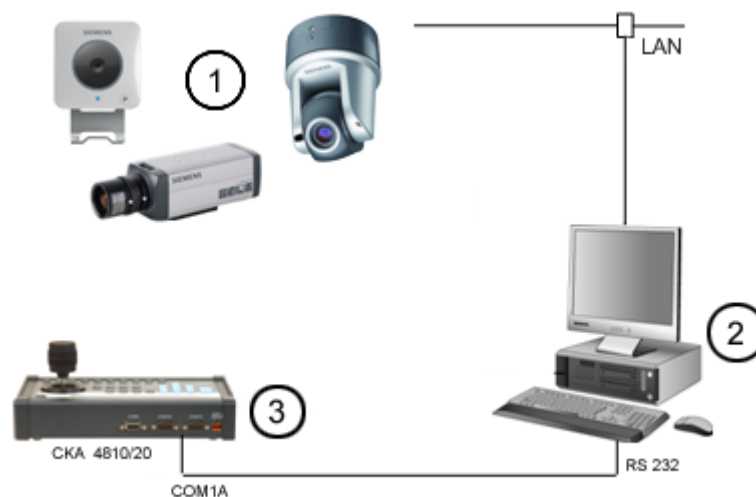


Fig. 10 SISTORE MX NVS system overview

1	Max. 64 LAN cameras or IP domes
2	MX NVS server PC
3	CKA4810/20 (optional)

10.2 SISTORE MX NVS – LAN camera – CKA4810/20

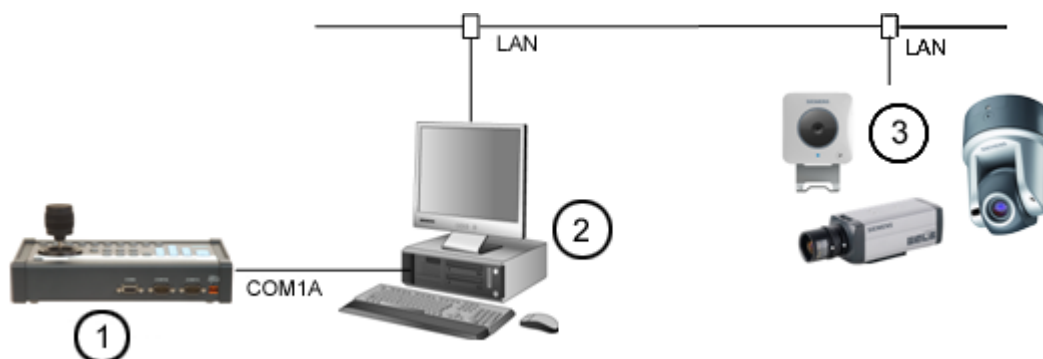


Fig. 11 SISTORE MX NVS – LAN camera – CKA4810/20 system overview

1	CKA4810/20
2	MX NVS server
3	Max. 64 LAN cameras

Prerequisite:

- The CKA driver is installed (see Section 6.2 Subsequently installing a hardware driver).

1. Connect the CKA4810 / 4820 control panel (COM1A port) to the MX NVS server (COM1/COM2).
2. Configure COM1A on the control panel as an RS232 interface. For more information please refer to the respective instruction manual for control panel CKA4810 / CKA4820.



3. Start the SISTORE MX NVS software.
4. Switch to configuration mode.
5. Mark the checkbox **CCTV keyboard** on the **System** tab.
6. Click **Apply**.
 - The setting will be saved.
 - The interface for the control panel is now activated.

Connections

Signal	MX NVS Server SISTORE RemoteView	CKA4810 / CKA4820 9-pin Sub-D connector
GND	5	5
RXD	3	2
TXD	2	3

Interface configuration CKA4810 / CKA4820

- Protocol: SIMATRIX RS232 or SIEMENS IVM
- Baud rate: 9600
- Parity: none

10.3 SISTORE MX NVS (server) – SISTORE RemoteView (client) – CKA4810/20

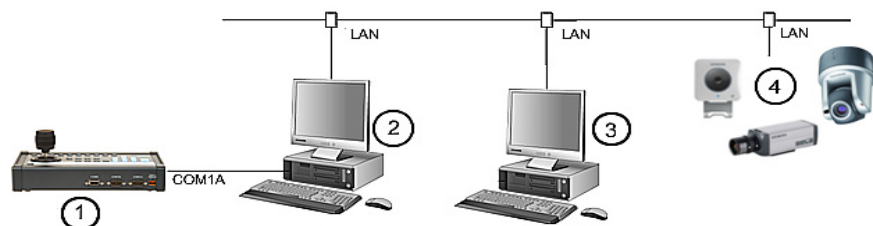


Fig. 12 SISTORE MX NVS – SISTORE RemoteView – CKA4820 system overview

1	CKA4810/20
2	Client PC with RemoteView
3	MX NVS server
4	Max. 64 LAN cameras

Prerequisite:

- The CKA driver is installed (see Section 6.2 Subsequently installing a hardware driver).

1. Connect the CKA4810/CKA4820 control panel (COM1A port) to the client PC (COM1/COM2).
2. Configure COM1A on the control panel as an RS232 interface. For more information please refer to the respective instruction manual for control panel CKA4810 / CKA4820.



3. Start the SISTORE MX NVS RemoteView software.
4. Switch to RemoteView configuration mode.
5. Mark the checkbox **CCTV keyboard** on the **System** tab.
6. Click **Apply**.
 - The setting will be saved.
 - The interface for the control panel is now activated.

Connections

Signal	Client PC SISTORE RemoteView	CKA4810 / CKA4820 9-pin Sub-D connector
GND	5	5
RXD	3	2
TXD	2	3

Interface configuration CKA4810 / CKA4820

- Protocol: SIMATRIX RS232 or SIEMENS IVM
- Baud rate: 9600
- Parity: none

10.4 Multimedia Control Panel – SISTORE MX NVS (server) – SISTORE RemoteView (client)

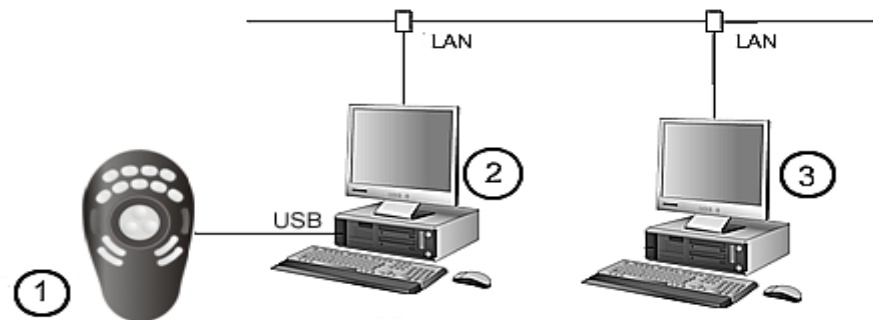


Fig. 13 SISTORE MX RemoteView – Multimedia Control Panel system overview

1	Multimedia Control Panel
2	Client PC with RemoteView
3	MX NVS server



The Multimedia Control Panel (ShuttlePRO2) is not a product of Siemens Building Technologies Fire & Security Products GmbH & Co. oHG. It can be ordered from Contour Design Ltd. (www.contourdesign.com) (product name: ShuttlePRO2).

Siemens Building Technologies Fire & Security Products GmbH & Co. oHG can not guarantee fault-free operation of the Multimedia Control Panels and does not provide any support. In case of problems with the product, please contact the manufacturer (www.contourdesign.com).

Installing the Multimedia control panel

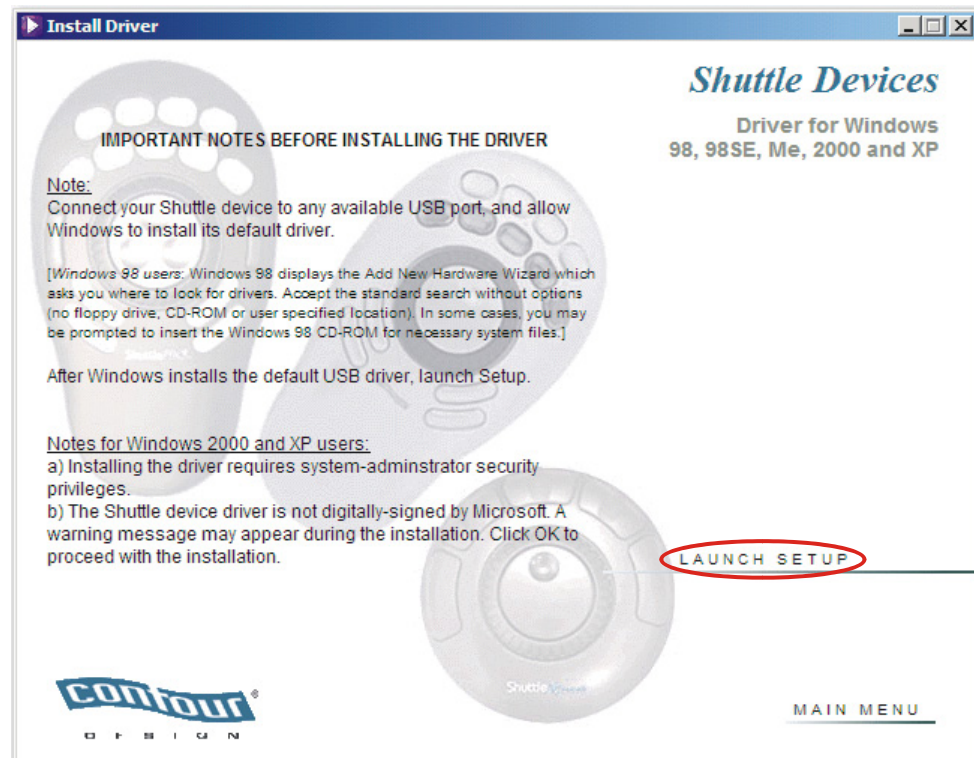
1. Connect the Multimedia Control Panel to a USB port.
2. Place the CD in the CD/DVD drive.
3. If the CD does not automatically start, double click the file **Autorun.exe**.

→ The following dialog box opens:



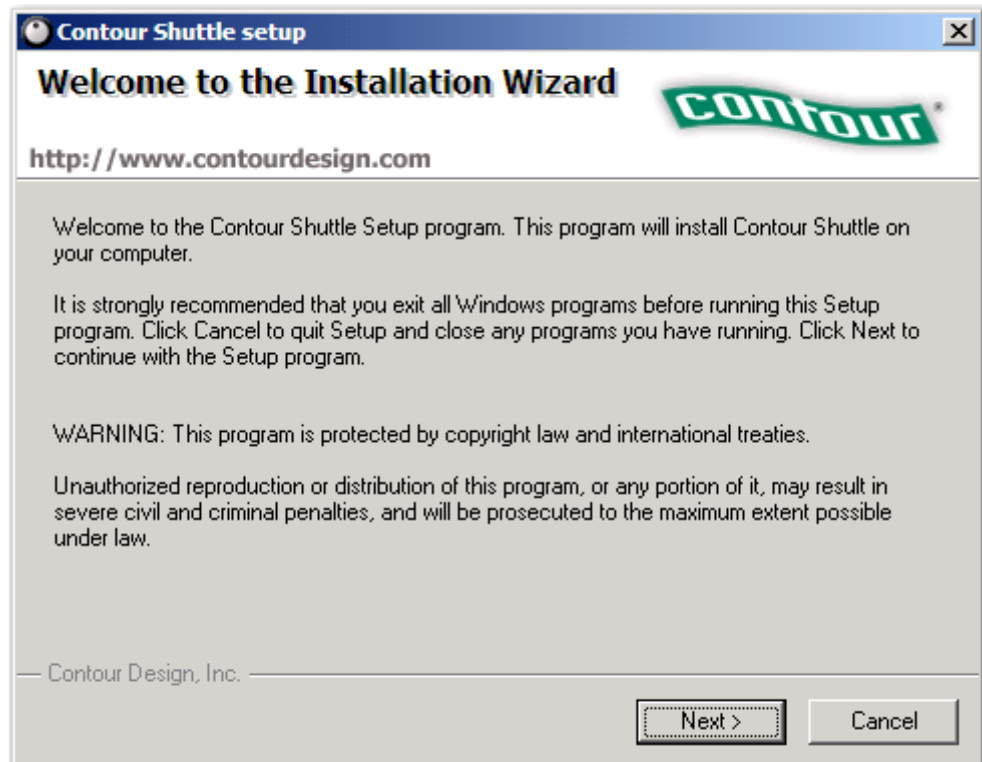
4. Click on **INSTALL DRIVER**.

→ The following dialog box opens:



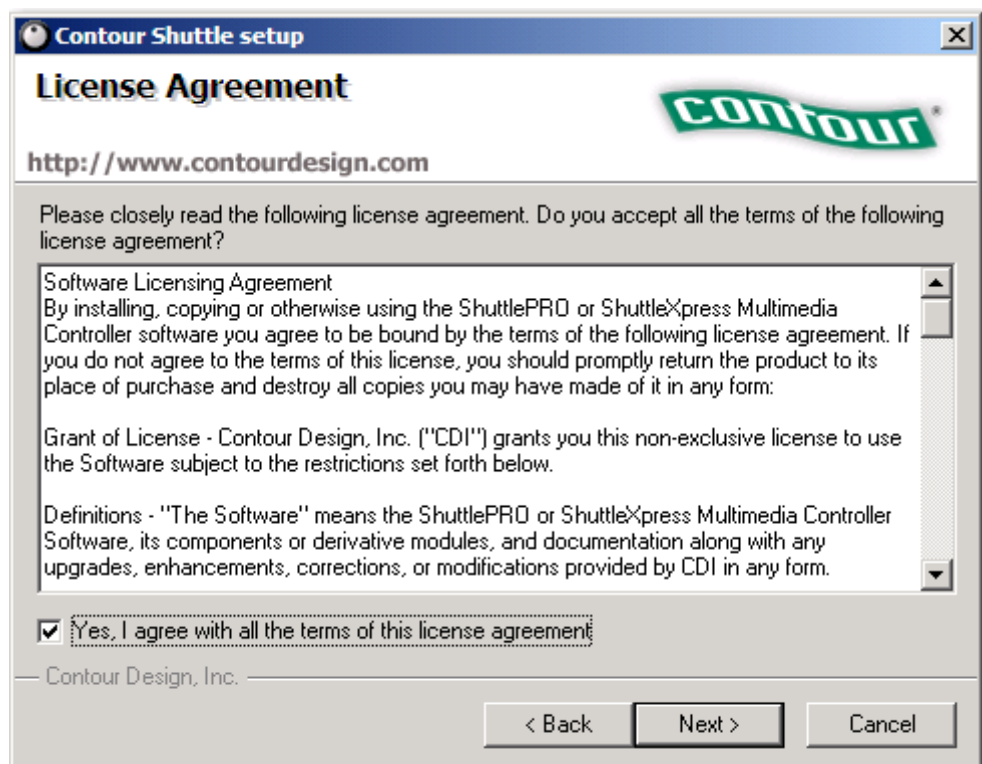
5. Click **LAUNCH SETUP**.

→ The following dialog box opens:



6. Click **Next**.

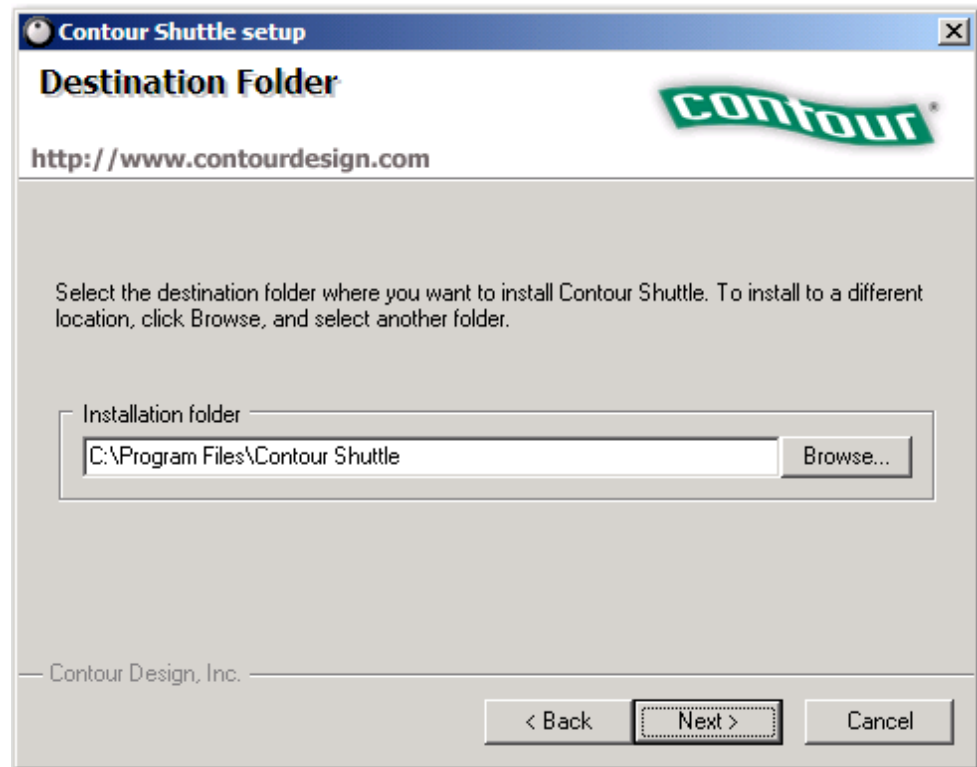
→ The following dialog box opens:



7. Mark the checkbox **Yes, I agree with all the terms of this license agreement**.

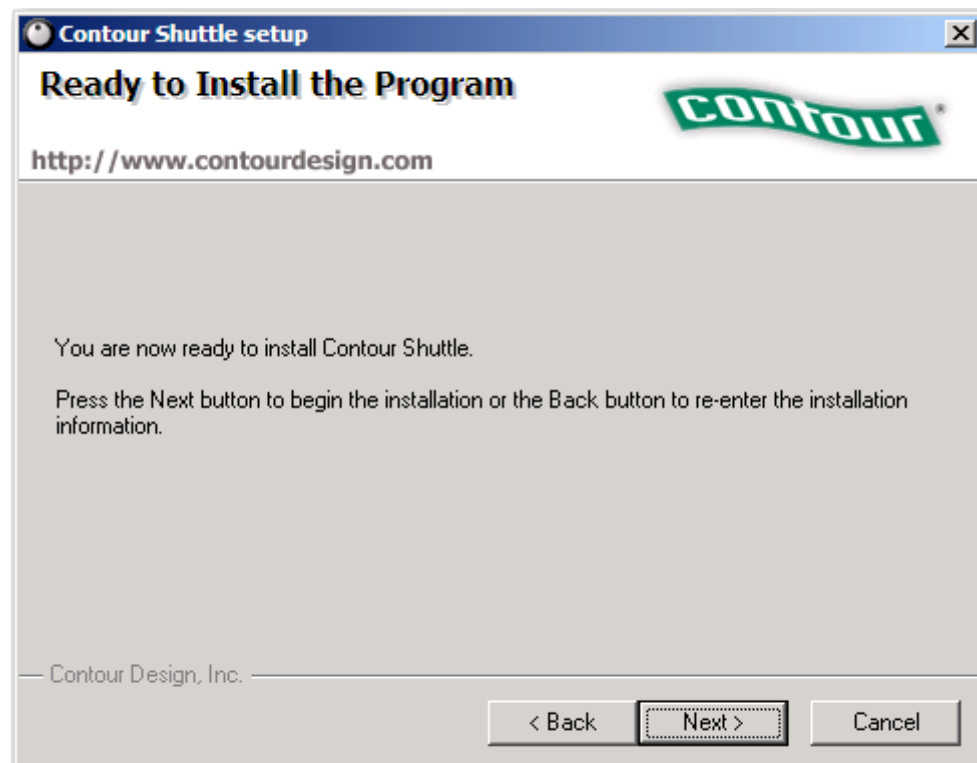
8. Click **Next**.

→ The following dialog box opens:



9. Click **Next** to install the software in the default directory.

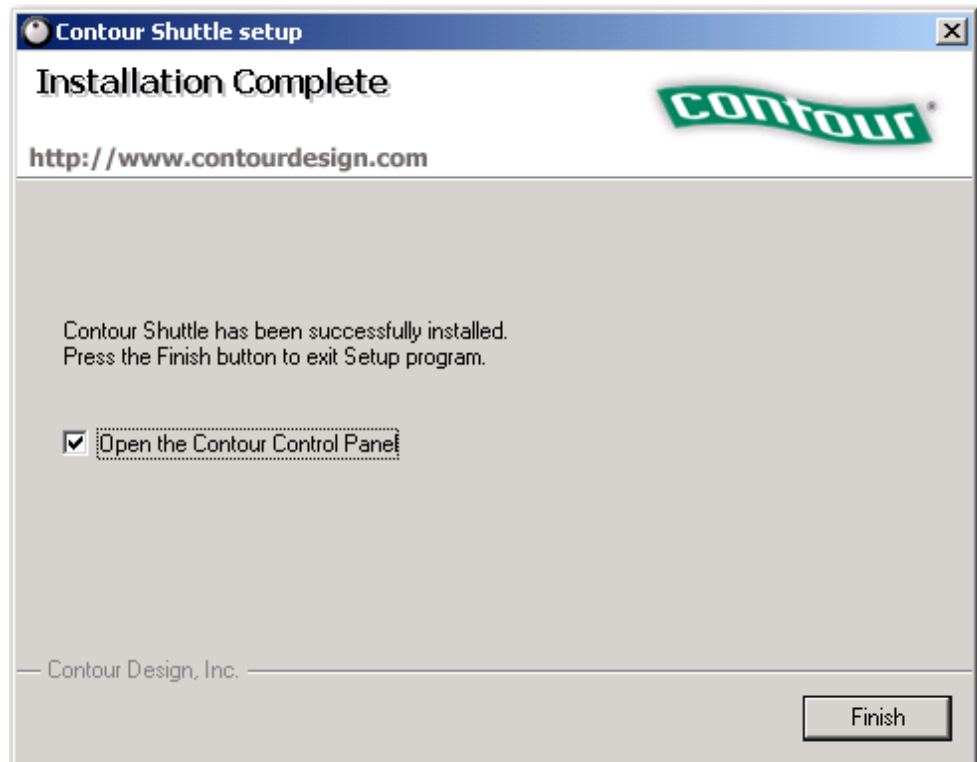
→ The following dialog box opens:



10. Click **Next**.

→ The software will be installed.

→ After successful installation the following dialog box opens:



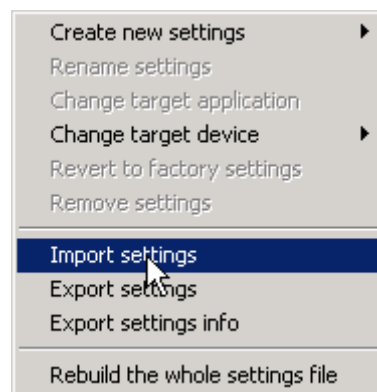
11. Mark the checkbox **Open the Contour Control Panel**.
12. Click **Finish**.
 - The software has been installed.
 - The Contour Shuttle Device Configuration dialog box opens (see Fig. 14).

Configuring the Multimedia Control Panel



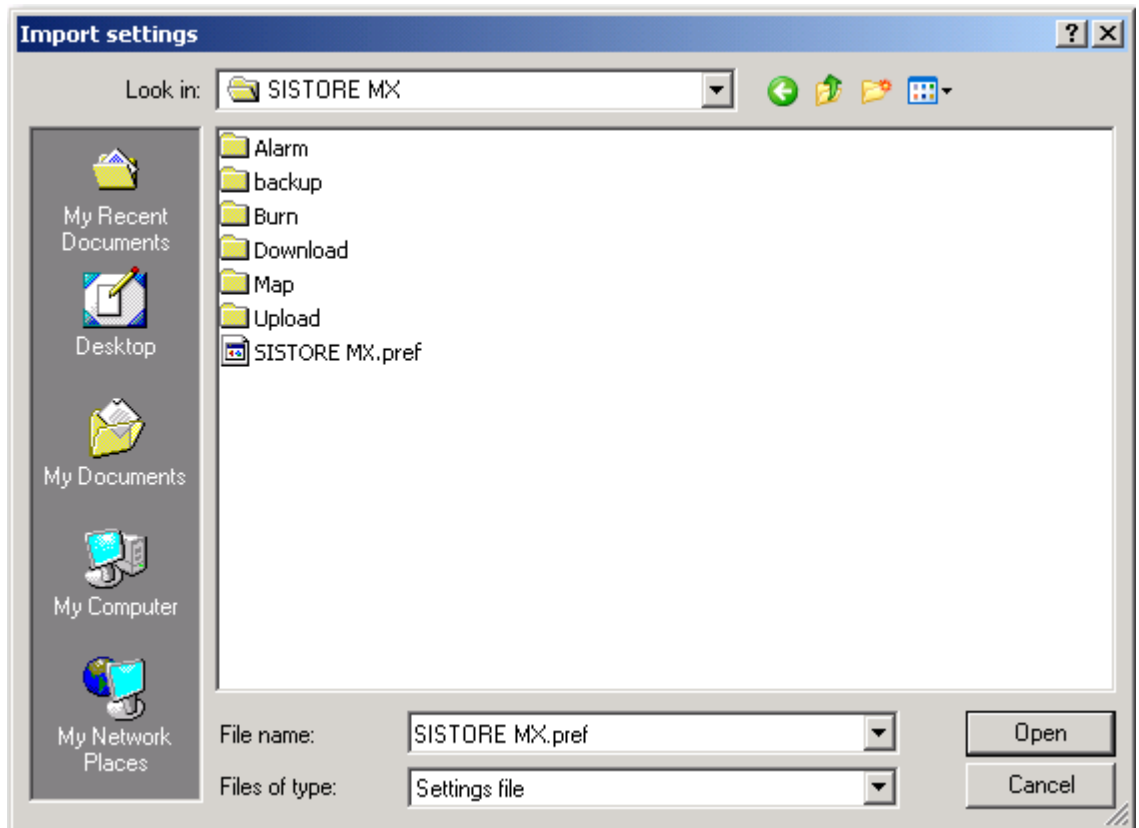
Fig. 14 Contour Shuttle Device Configuration dialog box

1. Click **Options**.
→ The following context menu opens:



2. Select **Import settings**.

→ The following dialog box opens:



3. Navigate to the directory where SISTORE MX NVS is installed.
4. Open the file **SISTORE MX.pref** or **SISTORE MX RemoteView.pref**.
5. Click **Apply**.
6. If you also want to use the Multimedia Control Panel with the SISTORE Player, repeat steps 1 to 5 and import the file **SISTOREPlayer.pref**.
7. Click **OK**.
 - The Multimedia Control Panel is ready for operation.

10.5 Activating alarm connection from Siemens LAN cameras CCIx1345

Prerequisites:

- The Siemens LAN camera is installed. Please also refer to the installation manual for the camera.
- The recording mode for the appropriate LAN trigger input has been configured in SISTORE MX NVS.
- A registry entry for LAN trigger inputs is available. Further information on this can be found in the Configuration Manual.

10.5.1 Matching IP ports

SISTORE MX NVS supports up to 32 LAN trigger inputs (alarm inputs 101 to 132 in the **Alarm input** tab). These inputs can be addressed via the IP-HTTP port 13801 and the IP-SMTP port 13802.



The IP port of the LAN camera and the IP port of the SISTORE MX NVS application software must be identical.

1. Start the SISTORE MX NVS application software. See Sections 7.1 Starting the software and 7.2 Login.
2. Switch to configuration mode.
3. Select the **Network** tab.

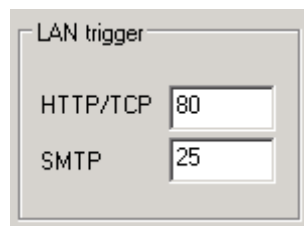


Fig. 15 Network trigger data for Siemens CCIX1345 LAN camera

4. Enter the IP-HTTP/TCP port and the IP-SMTP port of the LAN camera in the **LAN trigger** group field.

10.5.2 Configuring a LAN camera

1. Open the **Internet Explorer**.
2. Enter the IP address of the Siemens LAN camera in the **Address** field of the Internet Explorer.



The default IP address of the Siemens LAN camera can be found on a label on the top of the device. The IP address of the device can be changed subsequently. Please refer to the user manual for the camera.

3. Press the **Enter** key.
4. Answer **Yes** in the **Security alert** which opens.
→ The following dialog box opens.

Fig. 16 Camera login dialog

5. Enter **admin** in the **User Name** field.
6. Enter **admin** in the **Password** field.
7. Click **Login**.
→ The device homepage will be opened.

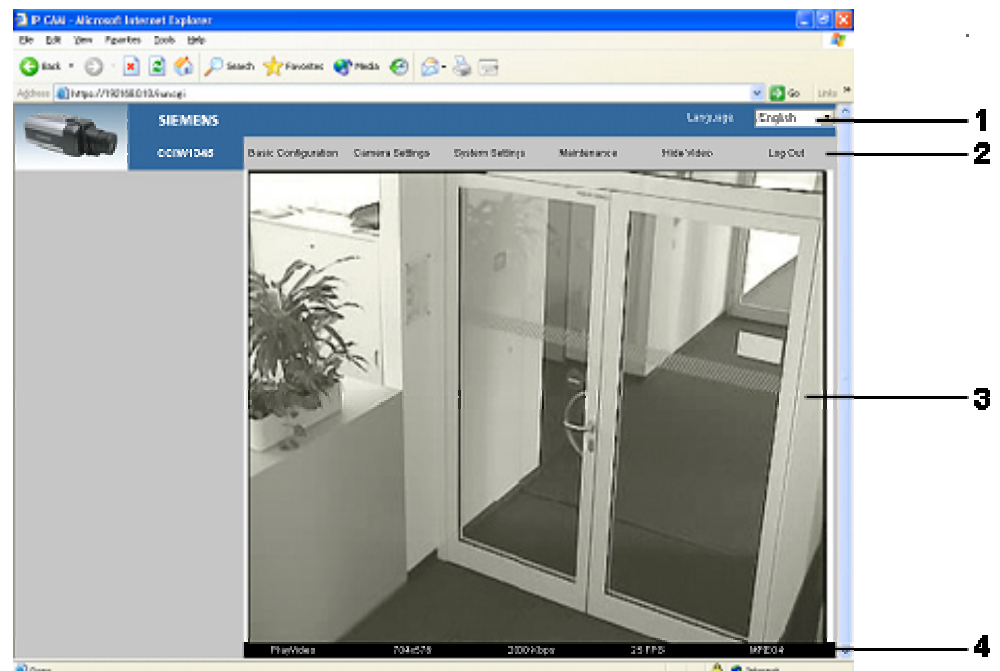


Fig. 17 Device homepage

1	Language selection box
2	Main menus
3	Live image display area
4	Streaming information

8. Select the menu sequence **Basic configuration > Configure alarm**.

→ The alarm configuration dialog opens.

	Mail	SMS	Output Alarm	Trigger Level
Power Up	☐	☐	☐	
Login Failure	☐	☐	☐	
Activity Detection	☒	☐	☐	
Input Alarm Trigger	☒	☐	☐	☐ Active High ☒ Active Low
Colour/B&W switching	☐	☐	☐	☐ Active High ☒ Active Low

Temperature Settings

Above normal limit	☐	☐	☐
Above high limit	☐	☐	☐
Above critical limit	☐	☐	☐

Set

Fig. 18 Alarm configuration

9. Mark the checkbox **Activity Detection** under **Mail** if you want to be notified when a motion is detected by a LAN camera.
10. Mark the checkbox **Input Alarm Trigger** under **Mail** if you want to be notified when an alarm is triggered by a LAN camera.
11. Click **Save**.
→ The settings have been saved.
12. Select the menu sequence **Basic configuration > E-mail settings**.

→ The E-mail configuration dialog opens:

Send Email at

Power Up

Login Failure

Activity Detection

Input Alarm Trigger

Colour/B&W switching

Normal Temperature

High Temperature

Critical Temperature

Mail Settings

Mail From

SMTP IP Address

SMTP Username

SMTP Password

Custom Text

SMS Settings

Email address of Mobile device

Fig. 19 Email configuration

13. Enter an e-mail address for each of the events (e.g. alarm triggered) you want to be notified of by e-mail in the text fields under **Send Email at** (see Fig. 18 and Fig. 19).



The e-mail addresses must contain the text assigned to the alarm input as defined in the SISTORE MX NVS application software, e.g. TRIGGER[XY]PULSE@c.com. Further information on this can be found in the SISTORE MX NVS Configuration Manual. [XY] represents the desired LAN trigger input. Enter a figure between 01 and 32 instead of [XY].

14. Enter an e-mail address in the **Mail From** text field.
15. Enter the IP address of the SISTORE MX in the **SMTP IP Address** field.
16. Click **Save**.
 - The settings have been saved.
17. Click **Log Out** on the device homepage.
 - The alarm connection is now activated.

10.6 SISTORE MX NVS – SISTORE RemoteView – multi-server mode

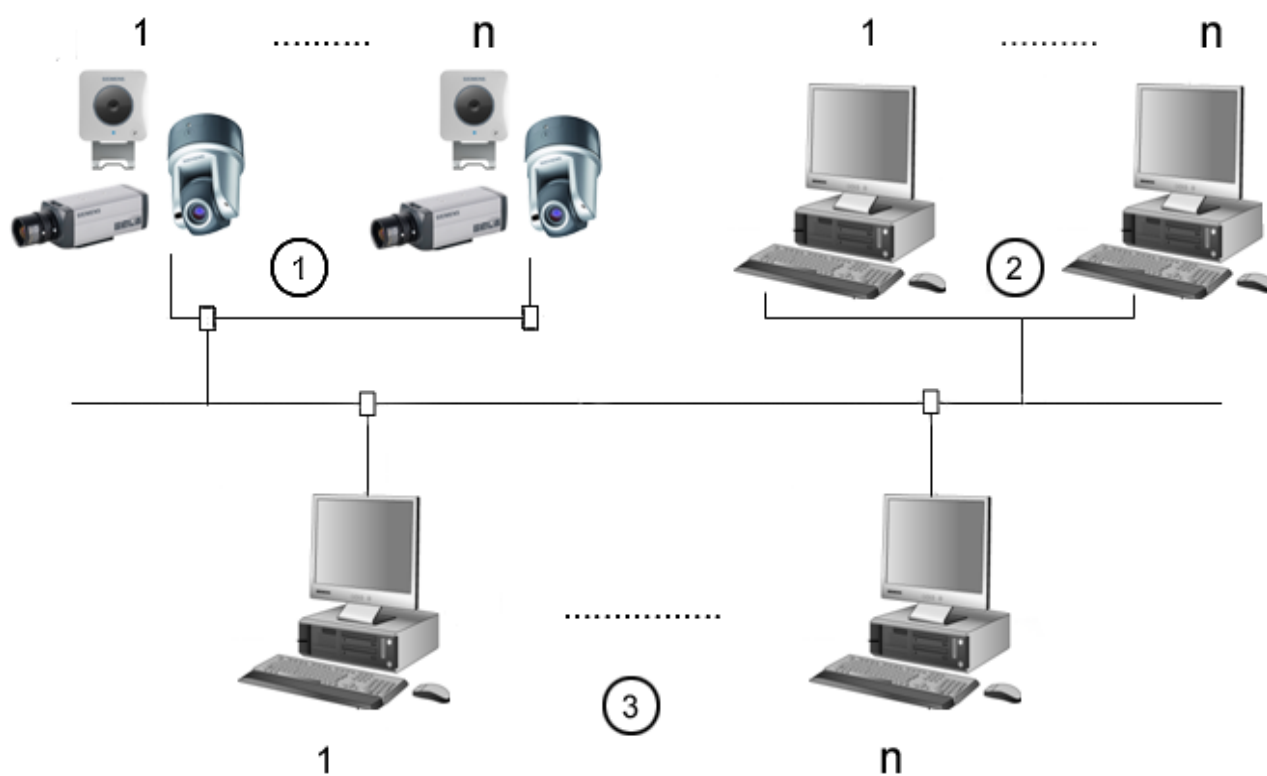


Fig. 20 SISTORE MX NVS – SISTORE RemoteView system overview

1	Max. 64 LAN cameras/IP domes per server
2	Max. 16 client PCs per server
3	Max. 10 MX NVS servers per client

10.7 SISTORE MX NVS – MX Multi Channel Box RCI 0601 and CDM

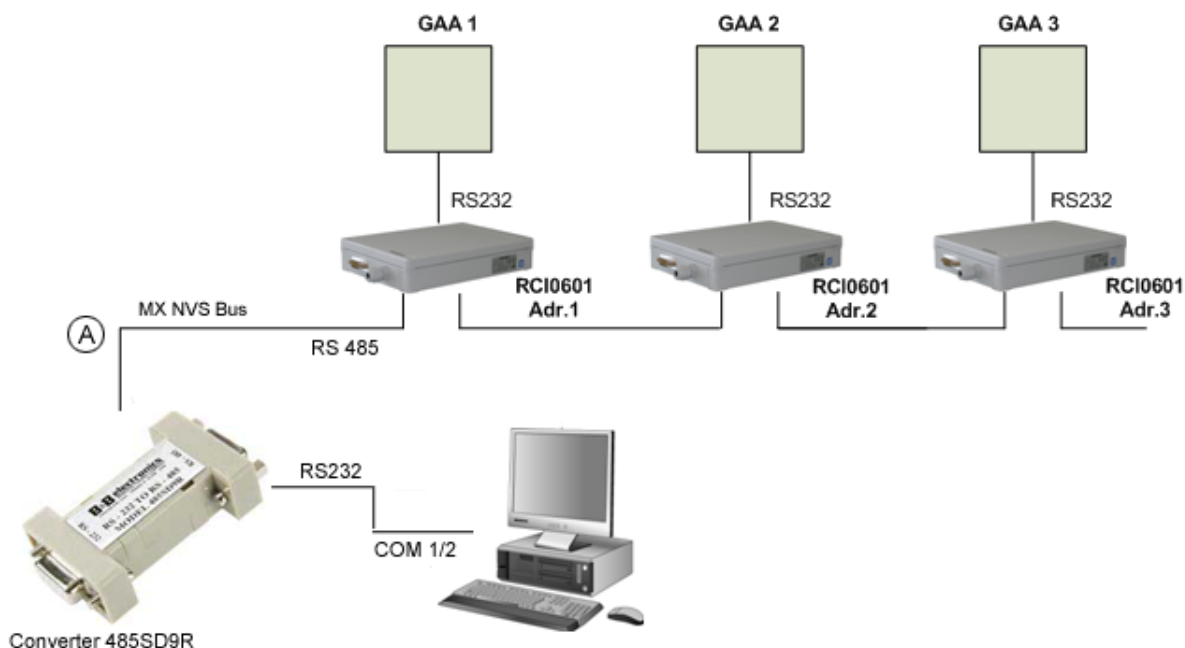


Fig. 21 MX NVS Multi-Channel Box RCI 0601 and CDM system overview

A	Cable (9-pin), plug-plug 2-3, 3-2
----------	--------------------------------------

1. Connect the MX Multi-Channel Box to the SISTORE MX NVS server PC (COM1/COM2).
For this you require the converter 485SD9R (B&B Electronics). Plug the RS232 end of the converter onto the COM port of the SISTORE MX NVS server.
2. Connect the cash dispensers to the RCI0601. Information on this can be found in the user manual for the MX Multi-Channel Box RCI 0601.
3. Start the SISTORE MX NVS software.
4. Switch to configuration mode.
5. Select the **System** tab.
6. Mark the checkbox **Bank mode**.
7. Terminate the SISTORE MX NVS software and restart it.
8. Switch to configuration mode and mark the checkbox **Cash dispenser**.
9. Configure cash dispenser mode. Further information on this can be found in the SISTORE MX NVS Configuration Manual.
10. Restart the PC.
→ The SISTORE MX NVS software will be restarted (automatically or using the start icon on the PC desktop). The GAA handler module is also started during this process (see task bar).

10.8 SISTORE MX NVS – Miniters interface and Miniters reader

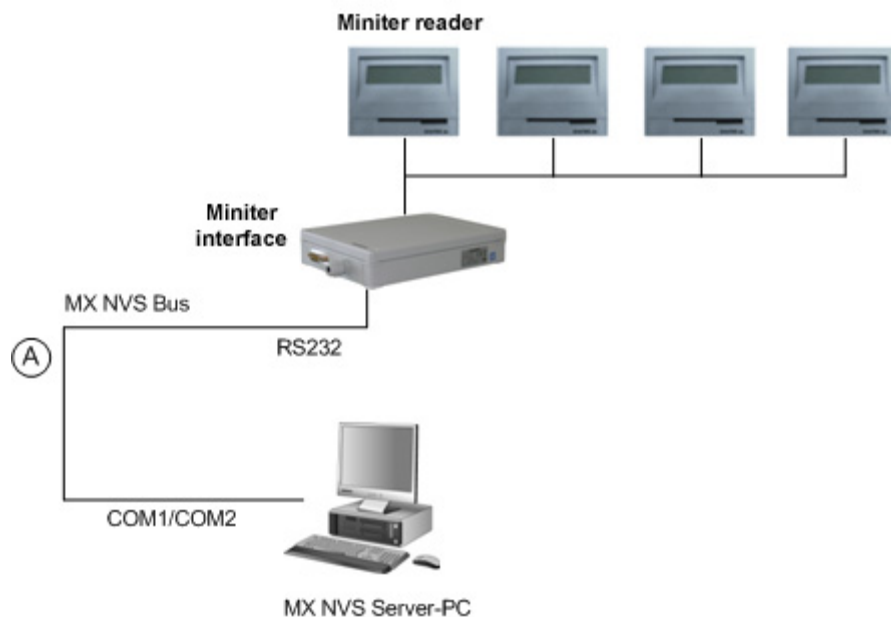


Fig. 22 Miniters interface and Miniters reader system overview

A	Cable (9-pin), plug-socket 1-1
----------	-----------------------------------

1. Connect the Miniters interface to the SISTORE MX NVS server PC (COM1/COM2). For this you require a 9-pin 1:1 cable with plug and socket.
2. Start the SISTORE MX NVS software.
3. Switch to configuration mode.
4. Select the **System** tab.
5. Mark the checkbox **Bank mode**.
6. Terminate the SISTORE MX NVS software and restart it.
7. Switch to configuration mode and mark the checkbox **Cash dispenser**.
8. Configure cash dispenser mode. Further information on this can be found in the SISTORE MX NVS Configuration Manual.
9. Restart the PC.
 - The SISTORE MX NVS software will be restarted (automatically or using the start icon on the PC desktop). The GAA handler module is also started during this process (see task bar).

11 USB input/output modules

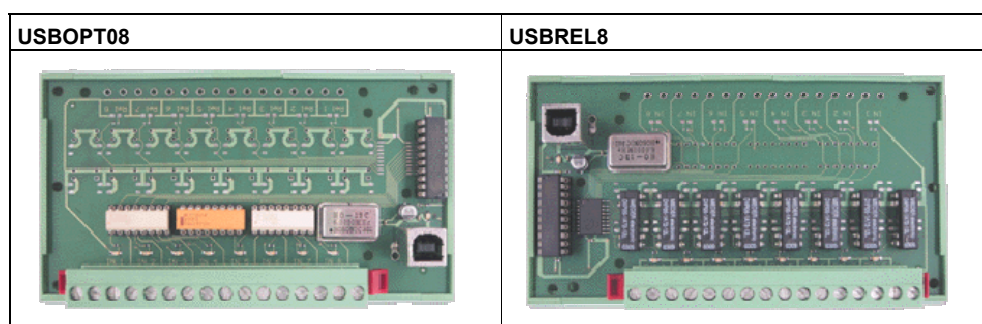
USB input/output modules are available as accessories. See Section 3 Details for ordering.



An additional power supply is not required. The modules are supplied over a USB interface.

USB input/output modules

- USBOPT08 (input module)
- USBREL8 (output module)
- USBOPTOREL16 (input and output module)

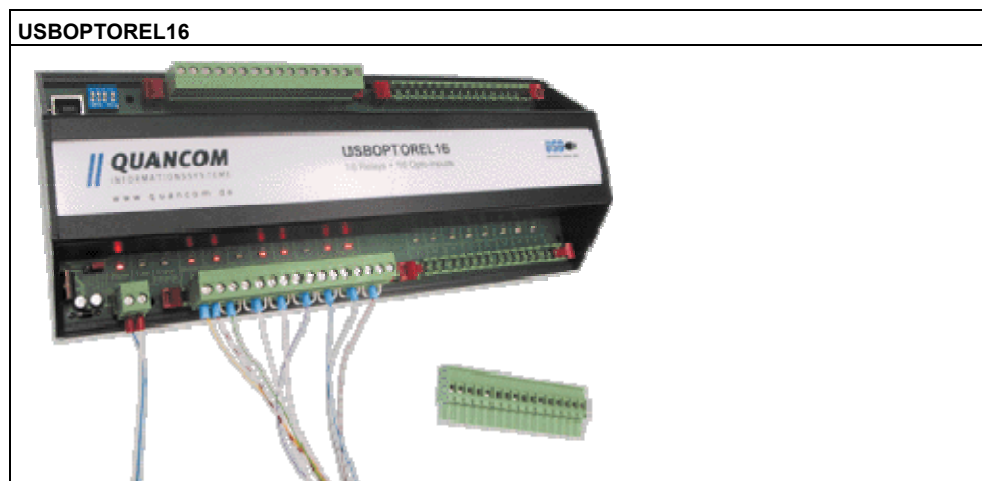


You can connect up to four modules of the same type. See Section 11.2: Connecting USB input/output modules.

Each module has eight inputs or outputs. With four modules, a max. number of 32 inputs/outputs can be achieved.



When using more than two modules, we recommend connecting a USB splitter (hub) between the PC and the modules.



You can connect up to 16 modules of this type. Each module has 16 optocoupler inputs and 16 relay outputs.



It is not possible to combine USBOPT08 or USBREL8 with USBOPTOREL16 modules.

11.1 Technical data of the USB input/output modules

11.1.1 Technical data of the USB input module

System bus	USB
Module address	can be set between 0-3 using jumpers (up to 4 modules of the same type can be connected simultaneously)
Inputs	8, optically isolated (5 – 30 V)
Input current	max. 10 mA
LEDs	initialization, status of input signals
Connections	pluggable screw terminals
CE	yes
Operating temperature	0 to 70 °C
Power supply	via USB

11.1.2 Technical data of the USB output module

System bus	USB
Module address	can be set between 0-3 using jumpers (up to 4 modules of the same type can be connected simultaneously)
Outputs	8 DIL relays (max. 15 W/1 A)
Switchable voltage	30 V
LEDs	initialization, status of relays
Connections	pluggable screw terminals
CE	yes
Operating temperature	0 to 70 °C
Relay switching time	1 ms (incl. bounce)

11.2 Connecting USB input/output modules

The modules can either be installed in a cabinet or as desk-top units on a PC.

11.2.1 Connecting USB input module USBOPT08

1. Connect the module via a plug-type terminal strip.
2. Assign the module address. See Section 11.3: Module addressing.
3. Connect the module to the USB interface.
 - ➔ The operating system detects the USB modules and automatically activates the drivers.



In case a message is displayed, click **OK** until all dialog boxes are closed.

- ➔ The new hardware will be displayed as a QuickInfo.
- ➔ Each input is assigned an LED indicating the current status.

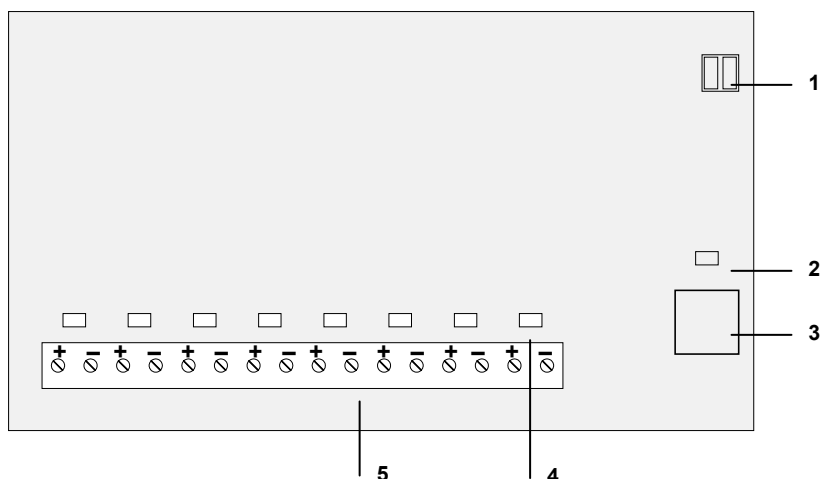


Fig. 23 USB input module

1	Module addressing
2	Configuration status LED
3	USB port
4	Input status LED
5	Inputs

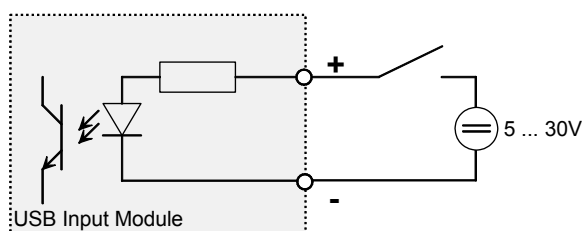


Fig. 24 Connection of USB input module



Connect the cables (+/-) as shown in Fig. 24.

11.2.2 Connecting USB output module USBREL8

1. Connect the module via a plug-type terminal strip.
2. Assign the module address. See Section 11.3: Module addressing.
3. Connect the module to the USB interface.
 - ➔ The operating system detects the USB modules and automatically activates the drivers.



In case a message is displayed, click **OK** until all dialog boxes are closed.

- ➔ The new hardware will be displayed as a QuickInfo.
- ➔ Each output is assigned an LED indicating the current status.

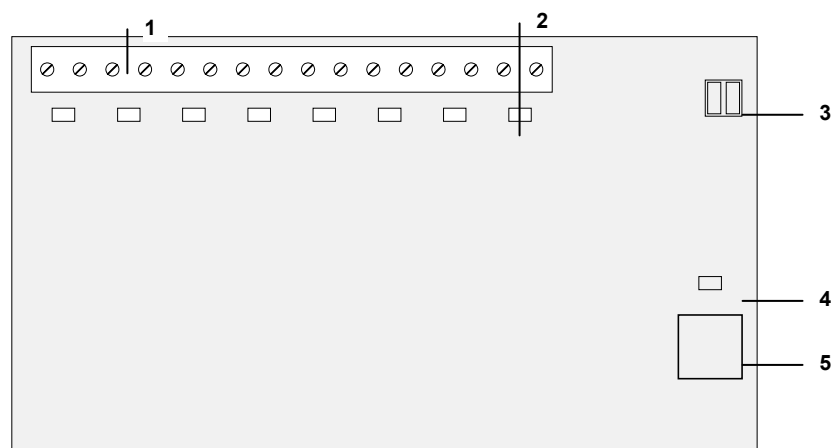


Fig. 25 USB output module

1	Relay outputs
2	Output status LED
3	Module addressing
4	Configuration status LED
5	USB port



The cables can be connected in any way as the outputs are no-voltage connections.

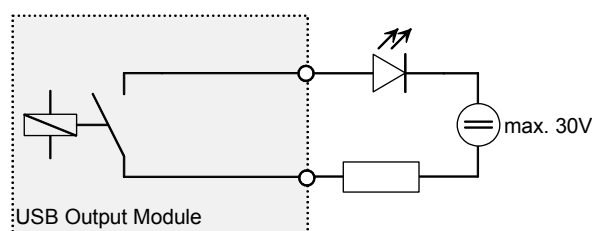


Fig. 26 Connection of USB output module

11.2.3 Connecting USB input and output module USBOPTOREL16

1. Connect the module via a plug-type terminal strip.
2. Assign the module address. See Section 11.3: Module addressing.
3. Connect the module to the USB interface.
 - ➔ The operating system detects the USB modules and automatically activates the drivers.



In case a message is displayed, click **OK** until all dialog boxes are closed.

- ➔ The new hardware will be displayed as a QuickInfo.
- ➔ Each input/output is assigned an LED indicating the current status.

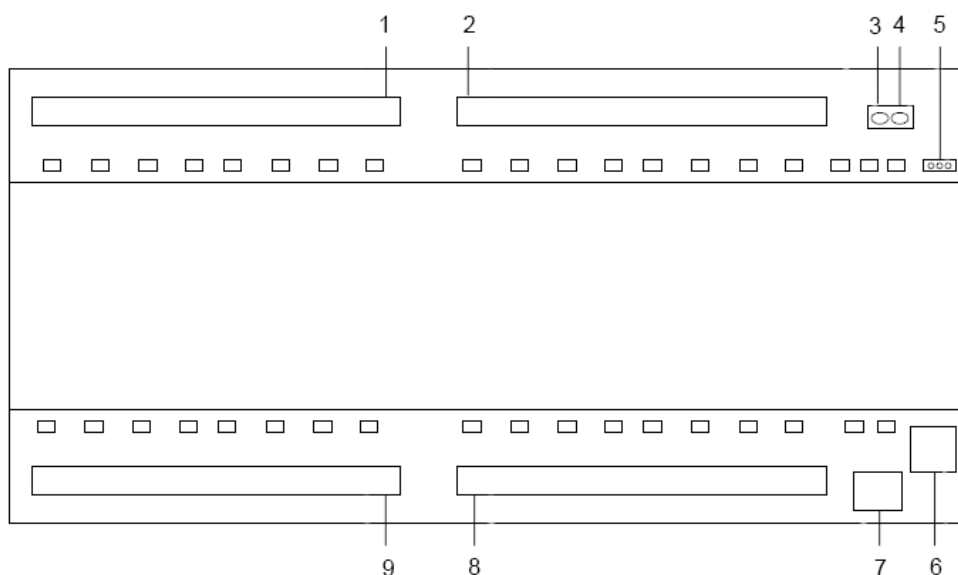


Fig. 27 USB input and output module

1, 2	Relay/optocoupler outputs
3	0 V
4	12 V
5	JP1 power supply USB/external
6	USB port
7	DIP1
8, 9	Optocoupler input



Connect the input cables (+/-) as printed on the input/output module. The output cables can be connected in any way as the outputs are no-voltage connections.

The jumper JP1 must connect pin 2 to pin 3 (USB).

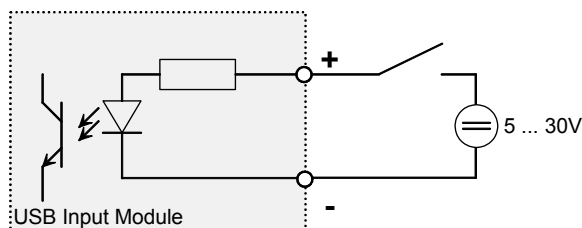


Fig. 28 Connection of USB input module

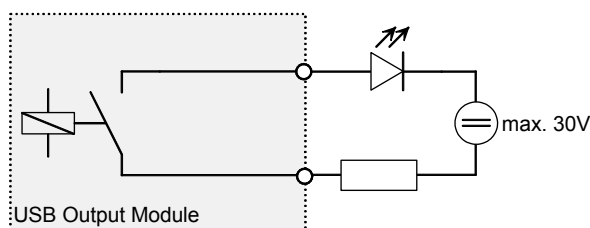


Fig. 29 Connection of USB output module

11.3 Module addressing

11.3.1 Modules with 8 inputs/outputs

Addressing is done using the module address.

1. Assign the module addresses using the jumpers. See Section 11.2: Connecting USB input/output modules.



Module address 0



Module address 1



Module address 2



Module address 3

11.3.2 Modules with 16 inputs/outputs

Addressing is done using the module address.

Assign the module addresses using the DIP switches.

SW1	SW2	SW3	SW4	Module address
On	On	On	On	0
Off	On	On	On	1
On	Off	On	On	2
Off	Off	On	On	3
On	On	Off	On	4
Off	On	Off	On	5
On	Off	Off	On	6
Off	Off	Off	On	7
On	On	On	Off	8
Off	On	On	Off	9
On	Off	On	Off	10
Off	Off	On	Off	11
On	On	Off	Off	12
Off	On	Off	Off	13
On	Off	Off	Off	14
Off	Off	Off	Off	15

11.4 Configuring USB input/output modules

The configuration of input/output modules is described in the SISTORE MX NVS Configuration Manual, Section **Configuring alarm inputs** and **Configuring alarm outputs**.



Digital inputs are not available with the current version of SISTORE MX NVS (March 2007).

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