Quick Install

MxThinClient

IP Video Interface for Display on a Monitor/TV Panel

High-resolution display of cameras and door stations on a monitor or TV panel.

More information:
www.mobotix.com > Products > Accessories > MxThinClient

• MxThinClient
• 2 adhesive tape strips, white

Installation Instructions

1. Fasten the MxThinClient
Place the MxThinClient besides the TV or monitor. You can also use the supplied adhesive tape strips or screws to fasten the box at the desired position (screws are not part of the delivery).

2. Connect the cables
1. Connect MxThinClient to the TV/monitor using an HDMI cable.
2. Switch to the proper HDMI channel on the TV/monitor.
3. Connect MxThinClient to a free PoE port of a switch using an RJ45 Ethernet patch cable.

Note: If the steps above are not followed in the order listed, some display devices may not show any image at all.

Note: Make sure that the devices have a native HDMI connector; adapters cannot be used.

Features of the MxThinClient

Using the MxThinClient, you can show live streams of MOBOTIX P3 or Mx6 cameras or static images (JPEG or PNG) on a TV or monitor with HDMI input. The following two main features are available:

• Sequencer Feature:
By default, the integrated sequencer automatically cycles through all defined image sources (cameras and still images). For this purpose, you can set a global time to show an image source and also individual times to show specific image sources.

• Automatic Pop-Up Feature (via MxMessageSystem)
On top of the automatic sequencer, the device can also show an image source as a reaction to specific events. For example, you can use this mechanism to show the live video stream from a door station after someone rang the doorbell. To be able to use this feature, MxMessageSystem must be configured on the camera and on the MxThinClient. The image source will pop up after the device has received an MxMessageSystem notification with the specified message name.

Note: If the MxThinClient is attached to a TV or monitor with several HDMI inputs and the device receives a message to switch to a specific image source, the device cannot automatically switch to the proper HDMI input.

To configure the image sources and all other relevant settings, please use a web browser and follow the instructions on the following page.
1. Open the MxThinClient User Interface in a Browser
Enter the IP address of the MxThinClient:
http://<MxThinClient IP address>

By default, the MxThinClient has been set to run as a DHCP client with an additional static IP address in the 10.x range (network mask 255.0.0.0) printed on the housing of the device. If you are running the MxThinClient in a network with a DHCP server (e.g., DSL-insulator), you can look up the IP address in the list of devices of the DHCP server. When using a DSL router with integrated DHCP/DNS server, you can also use the host name of the device MxThinClient (factory IP address) in the browser address bar.

Example:
http://MxThinClient10-7-35-193

2. Set the Language and Change the Password
The factory default language is English. If required, click on Page-Administration > Language and select a different language. For security reasons, you should change the factory default password.

3. Set up the Network
If you intend to use the pop-up feature to show image sources via MxMessageSystem described above, you need to adjust the settings in the following dialog of the Configuration section:

   • Network settings: NTP
   When using messages of the MxMessageSystem, make sure that the operating system on the MxThinClient is able to synchronize itself with a network time server.

Note:
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Example:
http://MxThinClient10-7-35-193

4. Configure the Image Sources (Cameras/Still Images)
Open the Configuration > Image Sources dialog to define all image sources (live video streams and/or images) you want to display as well as the corresponding display duration.

   • To display still images, set the Codec drop-down menu to "JPEG" and enter the file(s) or URL(s) in the field to download the image to show. These images are currently not stored in the MxThinClient, but will be loaded every time they are displayed.

   • By default, all defined image sources are displayed using the global sequencer display duration. To define an individual display duration for an image source, activate the Use Individual Display Duration option.

   • If you enter a name of a message in the Name field, the device will automatically display this image source if it receives a message with this name.

Safety Warnings

• This product must not be used in explosion-hazardous locations.

• The MxThinClient is intended for indoor use only. Make sure to respect the operating temperature range of 0 to +40 °C for the device.

• Network security: MOBOTIX products include all of the necessary configuration options for operation in Ethernet networks in compliance with data protection laws. The operator is responsible for the data protection concept across the entire system. The basic settings required to prevent misuse can be configured in the software and are password-protected.

Technical Specifications

Connections

Ethernet (1000Base-T/1000Base-X, HDMI type D, HDMI)

Certificates


Video Codec

MPEG-4, JPGE

Formats (codec) for Still Images

JPEG, PNG, up to 10 MB

Camera Software

Release 4.4.5, Rev.0.8.0.1

Power Consumption

2 W

Power Support

Full (IEEE 802.3af)

Protocols

IP4, HTTP, HTTPS, FTP, TFTP, DNS, DLNA

Max. Image Size

Full HD

Output Image Sizes

Image size of image source unaltered (max. Full HD)
1280x720 (Mega), 1280x1024 (HD), 1280x1024 (HD), 720x1280 (HD), 1280x720, 1280x720
When showing dual images, the image size of the image sizes from above to read

Operating Conditions

- Temperature range: 0 to +40 °C
- Indoor applications, +40 °C to –20 °C

Protection Class

IP20

Dimensions

Width: 100 x 80 mm (3.94 x 3.15 in)

Materials

Housing: Polycarbonate, black

Weight

Approx. 125 g

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