3. Connect the Module

1. Preparing the MxMultiSense Module

or a MX-BPA-Box, if attached!

Caution! Before working on these tasks, make sure that the MxBus wires are not powered up. Disrupt the power supply to the camera

Installing the MxMultiSense Module

Safety Warnings

Special Product Features

Sensors of the MxMultiSense Module

• Make sure that you respect the operating conditions of the product:
  • Make sure that you install this product as outlined in this document.
  • The MOBOTIX MxMultiSense module is only to be used in combina-
  • MxMultiSense: Indoor, 0 to +40 °C/+32 to +104 °F, IK04
  • MxMultiSense-Outdoor: IP66, –30 to +60 °C/–22 to +140 °F, IK04
  • Drill a hole with 43 mm diameter at the position where the
  • Guide the MxBus wires from the back – first through the plastic
  • Insert the module from the front (arrows on the back are visible height).

installing the MxMultiSense Module

Caution: Before working on these tasks, make sure that the MxBus wires are not powered up. Do not touch the power supply to the camera or a MxBus Bus, if attached

1. Preparing the Hole

• Drill a hole with 40 mm diameter at the position where the MxBus wires will be installed.

2. Connect the Module

• Insert the module into the MOBOTIX sensor module mounts.

3. Installing the Module in MOBOTIX Mounts

• Place the module on the back of your MOBOTIX sensor module. The module will fit snugly all around the rim.

4. Installing the Module in Cavity Walls and Covers

• Pull the wire from the connector.

5. Removing the Module

• For safety reasons, make sure that the module is not powered up. Only disconnect electrical connections under the direction and supervision of a qualified electrician or in accordance with the applicable guidelines.

Electrical systems and equipment may only be installed, modified and maintained by a qualified electrician or in accordance with applicable directives and installation instructions.

Electrical installation:

• Electrical systems and equipment may only be installed, modified and maintained by a qualified electrician or in accordance with applicable directives and installation instructions.

Network security: MOBOTIX products include a set of necessary configuration parameters for operator and external network access. This minimizes the risk of potential security breaches for the data protection concept across the entire system. The basic settings are password-protected and must be adapted by the user. Other optional configuration options for operation in Ethernet networks in con-

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• The MOBOTIX sensor module mounts are extremely low power consumption (typ. 0.1 W, max. 0.2 W).

• Push the individual wires of the MxBus connection into the receptacle as shown in figure.

• Make sure that all individual wires of the MxBus connection are connected to the terminal block of the MxMultiSense module (a sensor, e.g., camera).

• Insert the module into the MOBOTIX sensor module mounts.

• Ensure that the MxBus wires are not twisted and that there are not any wire insulation:

• Guide the MxBus wires from the back – first through the plastic

• Insert the MxBus wires into the receptacle as shown in figure.

• Pull the cable plug or the single-wire plug out of the back of the MxMultiSense module.

• For safety reasons, make sure that the module is not powered up. Only disconnect electrical connections under the direction and supervision of a qualified electrician or in accordance with the applicable guidelines.

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Initial Operation of the MxMultiSense Module

1. Door Station, MX-GPS-BOX and MxMultiSense

2. i25 and MxMultiSense

3. Connect the MxBus Interface

4. Activate MxBus Interface

5. Message Events for PIR Sensor, Temperature and Illumination

6. Define Action for the Additional Events

7. Save the Camera Configuration

1. Open the MOBOTIX Camera Setup Interface in the Web Admin Menu:
   • Enter the IP address of the camera that is connected to the MxMultiSense module in the Admin Menu > Camera Administration > Cameras (Admin Tab) address of camera.
   • Click on MxEasy > Modules in the left-hand menu of the Camera Setup Interface.

2. Activate MxBus Interface
   • In the MxBus Configuration section, click on Manage MxBus Modules.
   • If you have not yet done so, activate the MxMultiSense Interface in the Manage MxMultiSense section (click on the Camera Name and then on the Connect button).

3. After about 10 to 15 seconds, the status of the MxMultiSense module changes to green and the LED of the MxMultiSense module is in green.

4. Configure Messages in the Hikvision System
   The messages defined here will be sent by the MxMultiSense module if a user or a service triggers it. It is advisable to define individual messages for each sensor so that even nominal values will be assigned to each message type.

5. Event Sensor Type
   • Click on Event Sensor Type and enter the message name (e.g., “Send this message, if the temperature is between 20 and 30 °C.”) in the corresponding section. Click on Add New Event in this line.

6. Define Action for the Additional Events
   • In the live screen of the camera, click on Setup Menu > Event Control > Additional Events...
     • If you are already using the event button in the Admin Menu, then click on the Setup Menu > Event Control > Event Overview...

7. Save the Camera Configuration
   • In the Admin Menu > Camera Administration > Camera Configuration > Store section, click on the Store button and permanently store the camera configuration.

Resetting the MxMultiSense Module

The LED flashing at regular intervals indicates that the LED LED has finished its initialization.

The LED will flash at regular intervals if the LED LED flashes red after establishing the MxBus connection. In this case, proceed as follows:

- Click on the MxBus module in the Live screen of the camera.
- Open the Admin Menu > Config > Manage MxBus Modules.
- Remove the plug using a small screwdriver.
- Check that the plug only touches the two red/blue wires (the LED LED is flashing red).
- Connect the MxBus module to the camera.