Thermal Sensor Module for MOBOTIX S15D

• S15D: Modular PoE network camera with max. two sensor modules for concealed installation systems cost-efficient.

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video innovations – Made in Germany

Step 1: Install the S15D

• Make sure that the sensor modules are connected to the S15D before the power supply is connected.

Step 2: Install and Connect the Sensor Cables to the S15D

The camera is ready to be used and can be connected to the S15D.

Step 3: Install the Thermal Sensor Module

Step 1: Prepare the Installation Location

• Guide the required MOBOTIX sensor cables (not included in delivery) from the S15D to the location of the sensor modules and attach the hinged module wrench.

Step 2: Attatch the Thermal Sensor Module

• Remove the hinged module wrench and set the sensor module housing in its 1.3 Pressure plate Ø 63 mm/2.48 in, stainless steel

Step 3: Install the Thermal Sensor Module

• Tighten the cylinder head screws (red arrows) to push the pressure plate against the sensor module housing.

Standard Delivery

Example for Connecting Thermal Sensor Modules to the S15D

• Make sure that the sensor modules are connected to the S15D before the power supply is connected.

Installation Variant 1: Front Plate Installation Behind Wall/Faceplate

Example image

• Drill a hole with 48 mm/1.89 in diameter into the wall or faceplate.

Example image

• Using the black module wrench, unscrew the cylinder head screws until the cylinder head screws are fully inserted.

Example image

• Push the connector of the blue MOBOTIX module into the receptacle so that the connecting plug is fully inserted.

Example image

• Tighten the cylinder head screws (red arrows) to push the pressure plate against the sensor module housing.

Installation Notes

• Push the connector of the blue MOBOTIX module into the receptacle so that the connecting plug is fully inserted.

Example image

• Close the blue lock at the back of the module.

Example image

Tool Kit

• Screw the front plate back into the module housing.

Example image

• Install the camera and the sensor modules.

Example image

• Reconnect the power supply of the camera.

Example image

• Connect the sensor modules to the S15D.

Example image

• Disconnect the camera’s power supply.

Example image

• Set the camera to PoE Class 3 (see camera manual) and set the modules that are to be used.

Example image

• Connect the power supply and start the camera.

Example image

Available Focal Lengths

• 7.5 mm 13 mm 19 mm

Actual focal length

• 45° 25° 17°

Horizontal image angle

• 35 mm 43 mm 65 mm 135 mm

Power supply (e.g., PoE switch)

Pressure plate

Front plate

Installation Notes

• Make sure that the sensor modules are connected to the S15D before the power supply is connected.

Caution!

• When using a MOBOTIX S15D, on which the PoE class setting had been changed manually from the default value of ‘Full Class’, the new setting is not saved by the camera.

Example image

• Attach the Thermal Sensor Module to the S15D with the module wrench.

Example image

Step 2: Connect the Sensor Cables to the S15D

• Install the MOBOTIX S15D at a suitable location.

Example image

• Make sure that you follow the instructions in the installation manual.

Example image

• Install the S15D

Example image

• The Sequence image

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**Step 2: Open User Interface in Browser**

- Complete the network connection to the camera according to the instructions on the camera manual.
- Enter the IP address of the camera you determined in Step 1 in the address bar of the browser.
- Make sure that you install the S15D and this product as outlined in the section «Manual and Automatic Operation».
- Continue to bring the camera into service in the «Camera Startup Sequence».
- Make sure that the operating temperature of –30 to +60°C/–22 to 140°F (DIN EN 50155) is not exceeded.
- Make sure that the environmental conditions for the S15 Camera Manual (Attachment 1) are observed.
- Make sure that the operating conditions of the accessories in the «Camera Manual» are observed.
- Make sure that the power requirements for network and PoE are observed.

**Step 3: Set Installed Thermal Sensor Modules**

- In the camera’s browser interface, click on «Setup» then «Configuration».
- Click on «External Sensor Cam1» or «External Sensor Cam2» to which you will attach the Thermal Sensor Module.
- Continue to bring the camera into service in the «Camera Startup Sequence».

**Step 4: Install the Thermal Sensor Module**

- Attach the Thermal Sensor Module to the MOBOTIX S15D.
- Please observe the special export regulations (see supplied documentation).
- Make sure that you are only using genuine MOBOTIX products, accessories, and accessories (see supplied documentation).

**Initial Operation S15D with Thermal Sensor Module**

- Connect the network connection to the camera according to the instructions on the camera manual.
- Enter the IP address of the camera you determined in Step 1 in the address bar of the browser.
- Make sure that you install the S15D and this product as outlined in the section «Manual and Automatic Operation».
- Continue to bring the camera into service in the «Camera Startup Sequence».
- Make sure that the operating temperature of –30 to +60°C/–22 to 140°F (DIN EN 50155) is not exceeded.
- Make sure that the environmental conditions for the S15 Camera Manual (Attachment 1) are observed.
- Make sure that the operating conditions of the accessories in the «Camera Manual» are observed.
- Make sure that the power requirements for network and PoE are observed.

**Technical Specifications**

**Thermal Sensor Module**

- **Network Connection:**
  - Power-over-Ethernet (IEEE 802.3af); Power Supply

- **Image Sensor:**
  - Max. Power Consumption:
    - 1x thermal: typ. 5.5 W (6.5 W short-term possible)
    - 2x thermal: typ. 7 W (8 W short-term possible)
    - 1x thermal, 1x optical: typ. 6.5 W (7.5 W short-term possible)

- **Operating Conditions:**
  - Operating temperature: –30 to +60°C/–22 to 140°F (DIN EN 50155)
  - IP65 (DIN EN 60529)

- **Power Supply:**
  - Power-over-Ethernet (IEEE 802.3af); Power Supply

- **Image Formats:**
  - e-mail, FTP, pre- and post-alarm images, external signals, shock detector, notification via e-mail, FTP, or diagram, temperature control windows

- **Image Sensor:**
  - Off-color/black & white image display, mirrored image, obscured image areas, vPTZ (virtual PTZ, horizontal field of view)

- **Dimensions/Drilling Templates**

Notes:

- The Thermal Sensor Module requires a software release 11034.2.1 or higher on the MOBOTIX S15D.
- When opening the state of the camera in the MOBOTIX Camera Manager, the Thermal Sensor Module does not appear in the sensor module list. When opening the camera without a standard sensor module, you need to attach an external sensor module to the S15D. After attaching the sensor module, the state of the camera should be brought from the«Sensor Module».
- When opening the state of the camera in the MOBOTIX Camera Manager, the Thermal Sensor Module does not appear in the sensor module list.
- Make sure that the power requirements for network and PoE are observed.
- Make sure that the operating temperature of –30 to +60°C/–22 to 140°F (DIN EN 50155) is not exceeded.