# Accessories





Mx-D26A/B\*

Mx-D26A/B\*



Mx-D26A/B\*

with In-Ceiling Set

Mx-D26A/B\* with Vandalism Set



\*Variant Mx-D26B supports MOBOTIX MxBus modules

D26 Dome **Quick Installation** 



Beyond Human Vision

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# Standard Delivery D26



| Item | Count | Part Name                                     |
|------|-------|---|
| 1.1  | 1     | Camera housing                                |
| 1.2  | 1     | Lens (not with D26 Body)                      |
| 1.3  | 1     | Dome, transparent                             |
| 1.4  | 1     | MicroSD card (SDXC, SDHC pre-installed)       |
| 1.5  | 1     | Ethernet cable CAT5 0,5 m/20" (pre-installed) |
| 1.6  | 1     | Hinged ferrite                                |
| 1.7  | 1     | Allen wrench 3 mm                             |
| 1.8  | 1     | Torx wrench TX20                              |
| 1.9  | 1     | Toothed wrench                                |
| 1.10 | 1     | Outer shell                                   |
| 1.11 | 1     | Mounting ring                                 |
| 1.12 | 4     | Stainless steel washers 5,3 mm dia.           |
| 1.13 | 4     | Dowels 8 mm                                   |
| 1.14 | 4     | Stainless steel Torx screws 4,5x60 mm         |
| 1.15 | 4     | Stainless steel washers 4,3 mm dia.           |
| 1.16 | 4     | Stainless steel Allen screws M4x16 mm         |
| 1.17 | 1     | Single-wire plug, black (MxBus)               |
| 1.18 | 2     | Single-wire connector                         |
| 1.19 | 1     | MxBus plug with two-wire connection line      |

# Connections and Initial Operation of the D26

You can find detailed information on the installation and connections of the D26 in the Camera Manual D26 (PDF, available on www.mobotix.com > Support > Download Center > Documentation > Manuals).

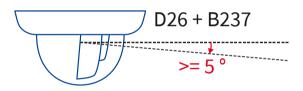
Please note that the boot options of this camera have changed compared to its predecessor (see «Boot Options of the D26» on page 2) and the camera only has one key ("R"). Regarding the rest of the initial operation of the D26, please see the Camera Manual D26 in Chapter 3, «Initial Operation».



\*To suppress electromagnetic interference, attach the enclosed hinged ferrite (item 1.6) to the pre-installed Ethernet cable of the camera. The hinged ferrite should be positioned as close as possible to the camera body.

# Note on Using the D26 With Lens B237

When using the D26 with the lens B237, you must tilt the lens by at least 5 degrees downward! If this angle is lower than 5 degrees, you will experience image distortions induced by the curvature of the dome!



# Mounting Options of the D26

Preparing the camera for mounting Remove the outer shell and unscrew the dome.



#### Installation on Walls or Ceilings Without Accessoires

After drilling the holes for fixtures (see «Drilling Templates»), attach the mounting ring of the D26 at the designated position using dowels and screws. Next, connect the cabling, point the camera into the viewing direction and adjust the focus of the lens (see «Initial Operation of the«Initial Operation of the D26»). Finally, install the dome and the outer shell.

#### Installation With On-Wall Set/On-Wall Set 10° (Accessory)

After drilling the holes for fixtures (see «Drilling Templates») attach the On-Wall Set at the designated position using dowels and screws, then lead the cabling into the On-Wall Set. Next, remove the mounting ring of the D26, connect the cabling and install the camera on the On-Wall Set. Finally, install the dome and the outer shell.

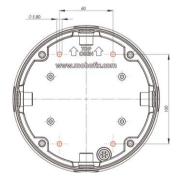
# Installation With In-Ceiling Set (Accessory)

After cutting out the hole (see «Drilling Templates»), remove the mounting ring of the D26 and install the camera in the Cavity Wall Installation Set. Next, connect the cabling and install the camera together with the Cavity Wall Installation Set into the cut-out and fasten it using the winged cams. Finally, press the decoration ring onto the camera and lock it in place using the toothed wrenches.

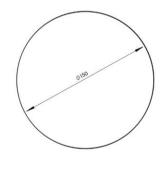












#### Installation With Outdoor Wall Mount (Accessory)

Remove the cover plate of the Outdoor Wall Mount. After drilling the holes for fixtures (see «Drilling Templates»), attach the Outdoor Wall Mount at the designated position using dowels and screws, then lead the cabling into the mount. Next, remove the mounting ring of the D26, connect the cabling and click the camera into the clamps of the cover plate of the Outdoor Wall Mount. Then attach the cover plate with the camera to the Outdoor Wall Mount. Finally, install the dome and the outer shell.

#### Installation With Pole MOunt and Outdoor Wall Mount (Accessory)

Lead the cabling from the rear through the Pole Mount and attach to a pole (using steel straps). Then attach the Outdoor Wall Mount to the Pole Mount. The remaining installation of the D26 follows the steps under «Installation With Outdoor Wall Mount (Accessory)» above.

#### Installation of the Vandalism Set (Accessory)

Screw in the reinforced dome and set the four spacers onto the mounting ring of the camera. Place the stainless steel outer shell onto the camera and tighten it using the four security screws.

# Inserting/Exchanging the SD Card

All camera models can use the integrated MicroSD card (SDXC) to record video data. In order to exchange the MicroSD card, please proceed as outlined in the following instruction. For information on reliable SD cards, please see the MOBOTIX website www.mobotix.com > Support > Download Center > **Documentation > White Lists** in the document MicroSD Card Whitelist for MOBOTIX Cameras.

When replacing the SD card, make sure that recording has been deactivated in the browser (Admin Menu > Storage > Storage on External File Server / Flash Device; activate recording again in the same dialog after exchanging the card).

### 1. Remove the SD Card

If a MicroSD card has been installed, gently press with your finger as indicated by the arrow until you hear a **click**. Then release the SD card. The card is protruding slightly and can be easily removed.



#### 2. Insert the SD Card

Insert the MicroSD card and gently press with your finger as indicated by the arrow until you hear another click.

Make sure that the SD card is fully inserted.

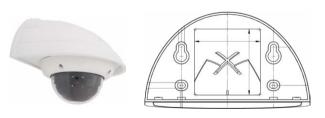


click!

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# Initial Operation of the D26

The initial operation starts with connecting the power supply (see section «Network and Power Connection, Additional Cables» in the Camera Manual D26). The first access follows the procedure described in the same manual in the «Initial Operation of the Camera» section. All other tasks require access to the camera's user interface in the browser. Enter the camera's IP address into the address bar of the browser (user "admin", password "meinsm"; password must be changed upon first login – camera software V5.1.x and higher).

# 1. Select the lens

Open the Admin Menu > Hardware Configuration > Lens Configuration dialog and select the installed lens. This step is required to select the proper special functions of the installed lens (e.g., for wide-angle lenses).



# 2. Adjust the lens focus

Remove the dome before proceeding.

Check the live image from the camera in the browser. Activate the focusing aid in the browser (Focusing Aid quick control, Activated value).



Carefully turn the lens by hand (possibly with a cloth, see Safety Warnings, "Never touch the lens") in clockwise or counter-clockwise direction until the red area of the focusing aid is as small as possible.



Once the focus is adjusted properly, deactivate the focusing aid again (Focusing Aid quick control, **Disabled** value).

Note: Due to the lens effect of the dome, the focus of the B237 tele lens is shifting slightly once the dome has been mounted. Before mounting the dome, the tele lens should be turned about 90° in counter-clockwise direction (as seen from the lens' front). Make sure that you check the focus of the live image in your browser with the dome installed and re-adjust the lens, if required.

#### 3. Save the configuration

In the live image of the browser, select the Manage Settings quick control and set Store Entire Configuration as value. The camera stores the configuration in the permanent camera memory so that the settings will be applied at the next camera reboot.

# Boot Options of the D26

By default, the camera starts as DHCP client and automatically tries to get an IP address from a DHCP server. To start the camera in a mode different from the default mode, you can activate the boot menu of the camera.

#### 1. Preparing the Camera

- Remove the outer shell and the dome.
- Disconnect the camera's power supply.
- Reconnect the power supply of the camera.

#### 2. Activating the Boot Menu

The red LED lights up 5 to 10 seconds after establishing the power supply and will stay on for 10 seconds. Briefly press the "R" key indicated by the red circle in the figure. The camera enters the boot menu, ready for selecting one of the boot options.



The LED now flashes once and repeats the flash signal after pausing for one second (the number of flashes indicates the current boot option). To go to the next boot option, briefly press the "R" key again (< 1 sec). After the last boot option, the camera returns to the first option (LED flashes once).

| LED<br>flashes | Boot<br>Option          | Meaning  | Audio<br>Confirmation* |
|----------------|-------------------------|--|------------------------|
| 1 x            | _                       | This option is not used on this camera model.  | -                      |
| 2 x            | Factory<br>Defaults     | Starts the camera with factory defaults (factory default IP address, users and passwords will not be reset).   | Boing                  |
| 3 x            | Automatic<br>IP Address | Starts the camera as DHCP client and<br>tries to obtain an IP address from a DHCP<br>server. If a DHCP server cannot be found<br>or no IP address can be obtained, the<br>camera starts with its factory default<br>address. | Boing Boing            |
| 4 x            | Recovery<br>System      | Starts the camera with the recovery sys-<br>tem, e.g., in order to recover from a failed<br>update of the camera software.   | Alarm Sound            |

\*Only on cameras with audio option and installed speaker.

#### 3. Selecting a Boot Option

Press the "R" key longer (> 2 sec). The camera confirms the selection by flashing rapidly three times. After 20 sec, the camera will confirm the selection by playing a sound according to the table above. If nothing is selected, the camera will resume its normal boot process after a certain time.

The outer shell and the dome can be mounted again.

#### **Important Notes**

#### Safety Warnings

Notes on Installing:

· This product must not be used in locations exposed to the dangers of explosion.



Power off before opening the camera: Make sure the power supply to the camera is disconnected before opening the camera housing (e.g., when inserting or exchanging lenses, lens units and SD cards)



«Installation» of the corresponding manual. A faulty installation can damage the camera!

- When installing this product, make sure that you are only using genuine MOBOTIX parts and MOBOTIX connection cables.
- Only install this product on suitable, solid materials that provide for a sturdy installation of the fixing elements used.

Electrical installation: Electrical systems and equipment may only be installed, modified and maintained by a qualified electrician or under the direction and supervision of a qualified electrician in accordance with the applicable electrical guidelines. Make sure to properly set up all electrical connections.

Electrical surges: MOBOTIX cameras are protected against the effects of small electrical surges by numerous measures. These measures, however, cannot prevent the camera from

being damaged when stronger electrical surges occur. Special care should be taken when installing the camera outside of buildings to ensure proper protection against lightning, since this also protects the building and the whole network infrastructure.

Max. power consumption of attached extension modules: The power consumption of all attached MxBus modules must not exceed 2,5 W. When attaching modules to the MxBus con-

nector and the USB socket, the power consumption of all attached modules must not exceed 3W, if the camera is powered by PoE class 3. If PoE class 2 is used, the power consumption of all attached modules must not exceed 1 W!

Never touch the lens: Due to the high performance of the D26, the area of the image sensor can get quite hot, especially when the ambient temperature is also high. This does not affect the

proper functioning of the camera in any way. For this reason, the product must not be installed within the reach of persons without the dome..

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. This prevents unauthorized parties from accessing these settings.

# Legal Notes

Legal aspects of video and sound recording: You must comply with all data protection regulations for video and sound monitoring when using MOBOTIX products. Depending on

national laws and the installation location of the D26, the recording of video and sound data may be subject to special documentation or it may be prohibited. All users of MOBOTIX products are therefore required to familiarize themselves with all applicable regulations and to comply with these laws. MOBOTIX AG is not liable for any illegal use of its products..

### 1. Disposal

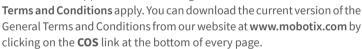
Electrical and electronic products contain many valuable materials. For this reason, we recommend that you dispose of MOBOTIX products at the end of their service life in accordance with all legal requirements and regulations (or deposit these



products at a municipal collection center). MOBOTIX products must not be disposed of in household waste! If the product contains a battery, please dispose of the battery separately (the corresponding product manuals contain specific directions if the product contains a battery).

#### 2. Disclaimer

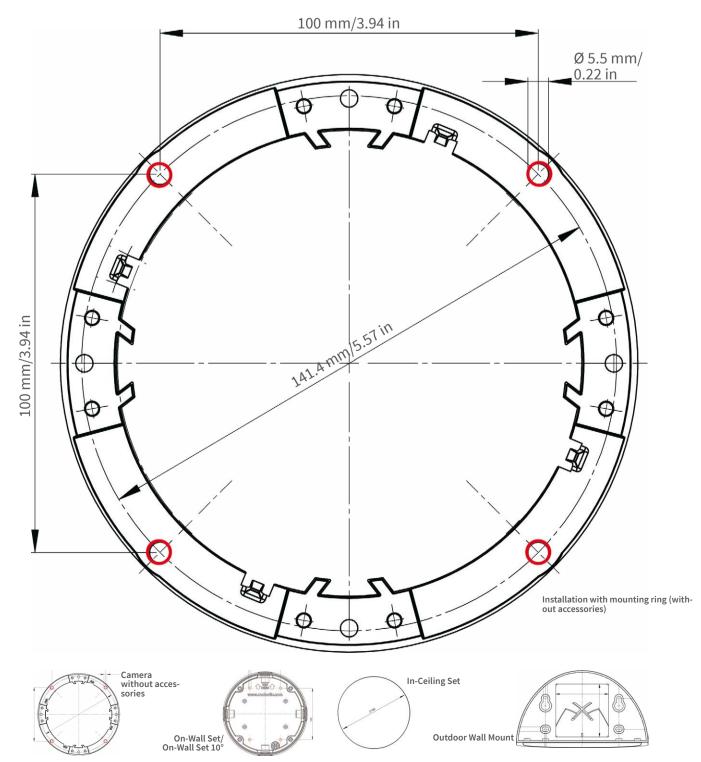
MOBOTIX AG does not assume any responsibility for damages, which are the result of improper use or failure to comply to the manuals or the applicable rules and regulations. Our General



# **Technical Specifications D26**

| Model Versions  | Mx-D26A/B* (all Day/Night image sensors)   |
|-----------------|--|
| model versions  | *Variant Mx-D26B supports MOBOTIX MxBus modules  |
| Lens Options    | MX-B036 to MX-B237 (20 to 135 mm in 35 mm format),<br>103° to 15° horizontal angle of view   |
| Sensitivity     | Color sensor (day): 0,1 lx @ 1/60s; 0,005 lx @ 1s  |
| Sensitivity     | BW sensor (night): 0,02 lx @ 1/60s; 0,001 lx @ 1s  |
| Image Sensor    | 1/1,8" CMOS, 6MP (3072x2048), Progressive Scan   |
| Max. Image Size | 6MP (3072x2048)  |
| Image Formats   | Freely configurable format 4:3, 8:3, 16:9 or customized format (image cropping), e.g., 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA) |
|                 | MxPEG: 42@HD (1280x720), 34@Full-HD, 24@QXGA, 15@5MP, 12@6MP   |
| Max. Frame Rate | M-JPEG: 26@HD (1280x720), 13@Full-HD, 9@QXGA, 5@5MP, 4@6MP   |
|                 | H.264: 25@Full-HD, 20@QXGA   |
| Video Codec     | MxPEG, M-JPEG, JPEG (max. output size 6MP)   |
| Mueo couec      | H.264 (max. output size QXGA, bandwidth limitation applicable)   |
| ONVIF           | ONVIF-S (camera software V5.0.2.x and higher)  |
|                 | On internal MicroSD card (SDXC, SDHC pre-installed)  |
|                 | External on USB device   |
|                 | External on NAS  |
| DVR             | Full image recording regardless of live image zoom   |
|                 | MxFFS  |
|                 | Pre-alarm and post-alarm images  |
|                 | DVR monitoring with error notification   |
| Software        | Video management software MxManagementCenter   |
|                 |  |

| Image Processing           | MxLEO, backlight compensation, automatic white balance, image distortion correction   |
|----------------------------|---|
| PTZ                        | Digital pan/tilt/zoom; max. zoom 8x (continuous)  |
| Alarm/Events               | Temperature sensor, shock detector (with firmware version 5.0.1<br>and higher), other sensors/IO via MxMessageSystem, notification via<br>e-mail, FTP, IP telephony (VoIP, SIP), visual/sound alarms, pre- and<br>post-alarm images |
| Intelligent Video Analysis | MxActivitySensor, video motion analysis, MxAnalytics  |
| Interfaces                 | Ethernet 100Base-T, MiniUSB, MxBus*;<br>inputs/outputs and RS232 via accessories  |
|                            | *Only variant Mx-D26B   |
| Security                   | User/group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature, MxFFS   |
| Certifications             | EN55022:2010; EN55024:2010; EN50121-4:2006; EN61000-6-1:2007;<br>EN 61000-6-2:2005; EN61000-6-3:2007+A1:2011; EN61000-6-<br>4:2007+A1:2011; AS/ NZS CISPR22:2009+A1:2010; CFR47 FCC part15B   |
| Power Supply               | PoE (IEEE 802.3af)  |
| Power Consumption          | Typ. 4W   |
| Power Consumption of       | At MxBus: max. 2,5 W, at USB: max. 2.5 W, total max. 3 W  |
| External Devices           | The power consumption of the camera will increase accordingly!  |
| Protection Classes         | IP66<br>IK10  |
| Ambient Temperature        | -30 to 50 °C/-22 to 122°F   |
| Dimensions/Weight          | Diameter x Height: 160 x 86 mm; weight: approx. 350 g   |
| Standard Delivery          | Housing (high-resistance composite, PBT), white, shock-resistant<br>dome (transparent), mounting supplies, wrenches, 50 cm patch<br>cable, MicroSD card (installed)   |



Manuals and drilling templates: www.mobotix.com > Support > Download Center > Documentation > Manuals



Products > Outdoor Cameras > D26 Dome

Support > Download Center > Documentation > Certificates & Declarations of Conformity

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