

Allround Outdoor Camera for Ceiling, Wall and Pole Mounting



- Includes MxAnalytics video analysis tools out-of-the-box
- Recording on internal microSD card (SDXC, SDHC installed)
- Signal inputs/outputs via optional MxBus modules
- Audio (microphone and speaker) using optional accessory (ExtIO)
- Sensors for temperature and shock detection integrated
- Simply mounted to poles using Pole Mount (accessory)

MOBOTIX 6MP camera for flexible use in indoor and outdoor applications, available as complete Dome D25 (Day or Night) with lenses MX-B036 to MX-B237. Can be extended flexibly using various sets for outdoor applications, on-wall or flush-mount installations. Use the Vandalism Kit for surveillance at extremely critical locations.

www.mobotix.com > Products > D25

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Standard Delivery D25

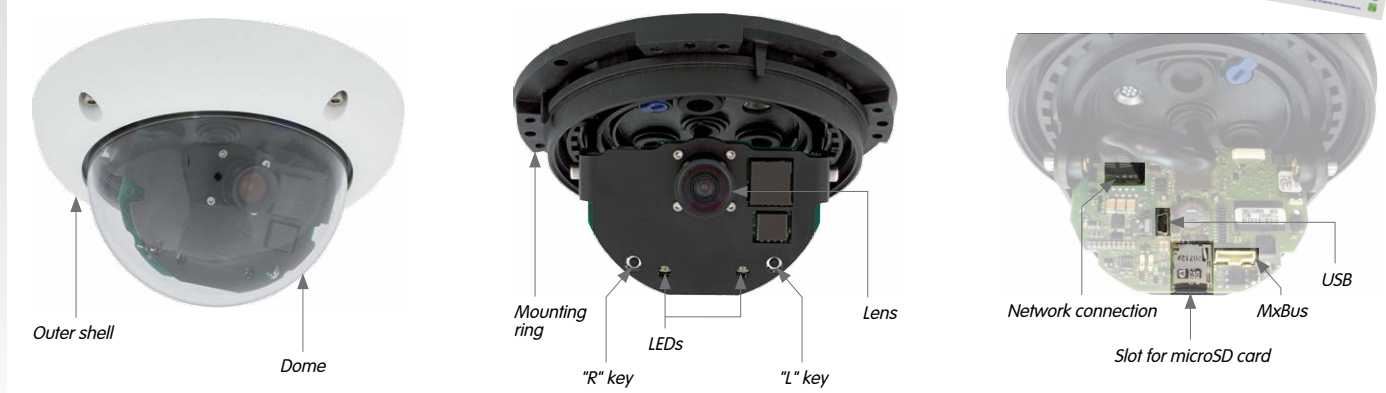


Item	Count	Part Name
1.1	1	Camera housing
1.2	1	Lens (installed)
1.3	1	Dome, transparent
1.4	1	microSD card (SDXC, SDHC pre-installed)
1.5	1	Ethernet cable CAT5 0.5 m/20" (pre-installed)
1.6	1	Allen wrench 3 mm
1.7	1	Torx wrench TX20
1.8	1	Toothed wrench
1.9	1	Outer shell
1.10	1	Mounting ring
1.11	4	Stainless steel washers 5.3 mm dia.
1.12	4	Dowels 8 mm
1.13	4	Stainless steel Torx screws 4.5x60 mm
1.14	4	Stainless steel washers 4.3 mm dia.
1.15	4	Stainless steel Allen screws M4x16 mm
1.16	1	Single-wire plug, black (MxBus)
1.17	2	Single-wire connector
1.18	1	MxBus plug with two-wire connection line

Connections and Initial Operation of the D25

You can find detailed information on the **installation** and **connections** of the D25 in the *D25 Camera Manual* (PDF, available on www.mobotix.com > **Support** > **Manuals**).

Regarding the **initial operation** of the D25, please see the *D25 Camera Manual* in *Chapter 3, «Initial Operation»*.



Mounting Options of the D25



Remove the outer shell and the dome of the D25.

Installation on Walls or Ceilings Without Accessories

After drilling the holes for fixtures (see «*Drilling Templates*»), attach the mounting ring of the D25 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 D25*»). 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 D25, connect the cabling and install the camera on the On-Wall Set. Finally, install the dome and the outer shell.

Installation With Cavity Wall Installation Set (Accessory)

After cutting out the hole (see «*Drilling Templates*»), remove the mounting ring of the D25 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 carsns. 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 D25, 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.

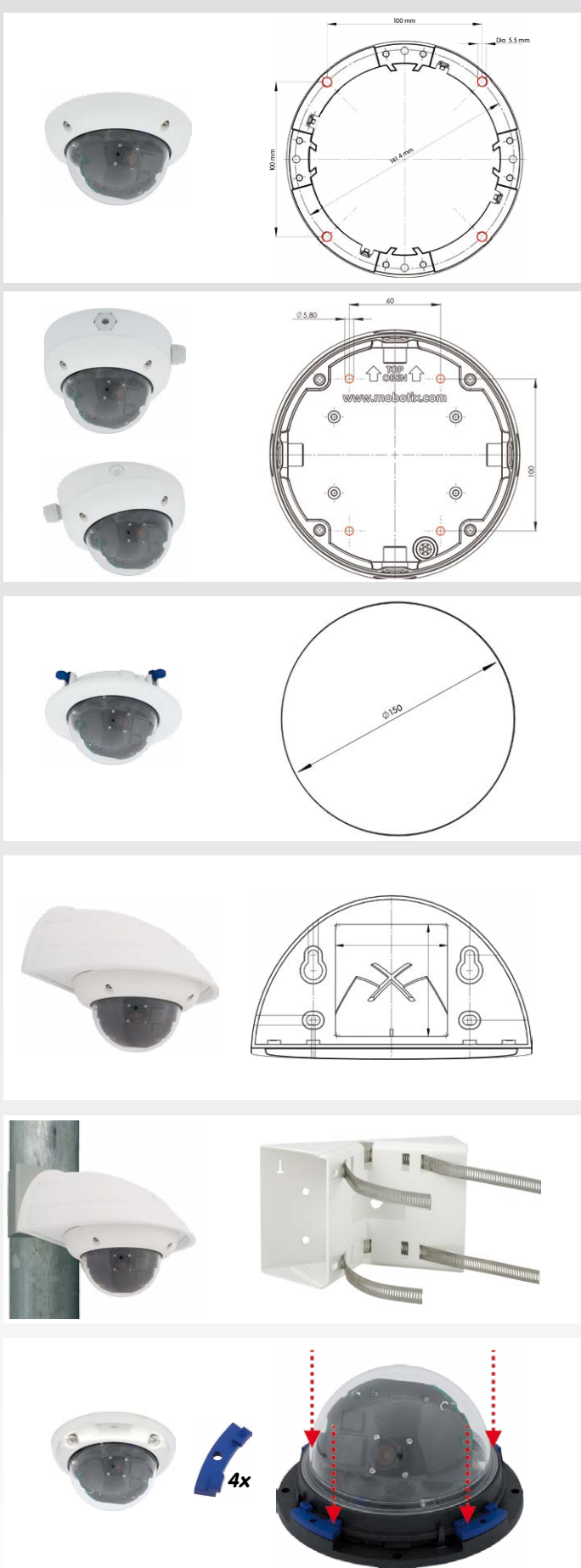
Installation With Pole Mount and Outdoor Wall Mount (Accessory)

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 D25 follows the steps under *«Installation With Outdoor Wall Mount (Accessory)»* above.

Installation of the Vandalism Kit (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** > **MX Media Library** > **Planning** 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

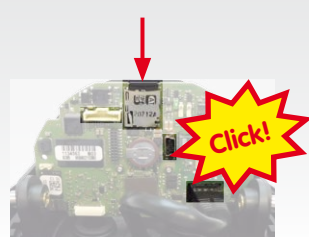
If a microSD card has been installed, gently press with your finger as indicated by the arrow until you hear a **click**. Then release the SD card. The card is protruding slightly and can be easily removed.



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.



Initial Operation of the D25

The initial operation starts with connecting the power supply (see section «*Network and Power Connection, Additional Cables*» in the *D25 Camera Manual*). 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.

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 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.

Important Notes

Safety Warnings

Notes on Installing:

- This product must not be used in locations exposed to the dangers of explosion.
- Make sure that you install this product as outlined in *Chapter 2, «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 connector **and** the USB socket, the **power consumption of all attached modules must not exceed 3 W, 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 D25, 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.



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).



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 D25, 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.



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).



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 Terms and Conditions** apply. You can download the current version of the General Terms and Conditions from our website at www.mobotix.com by clicking on the cos link at the bottom of every page.

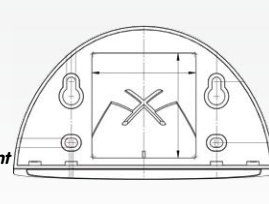
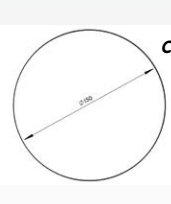
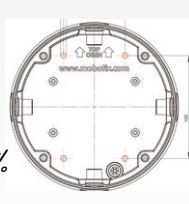
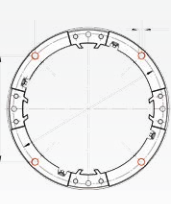
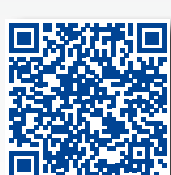
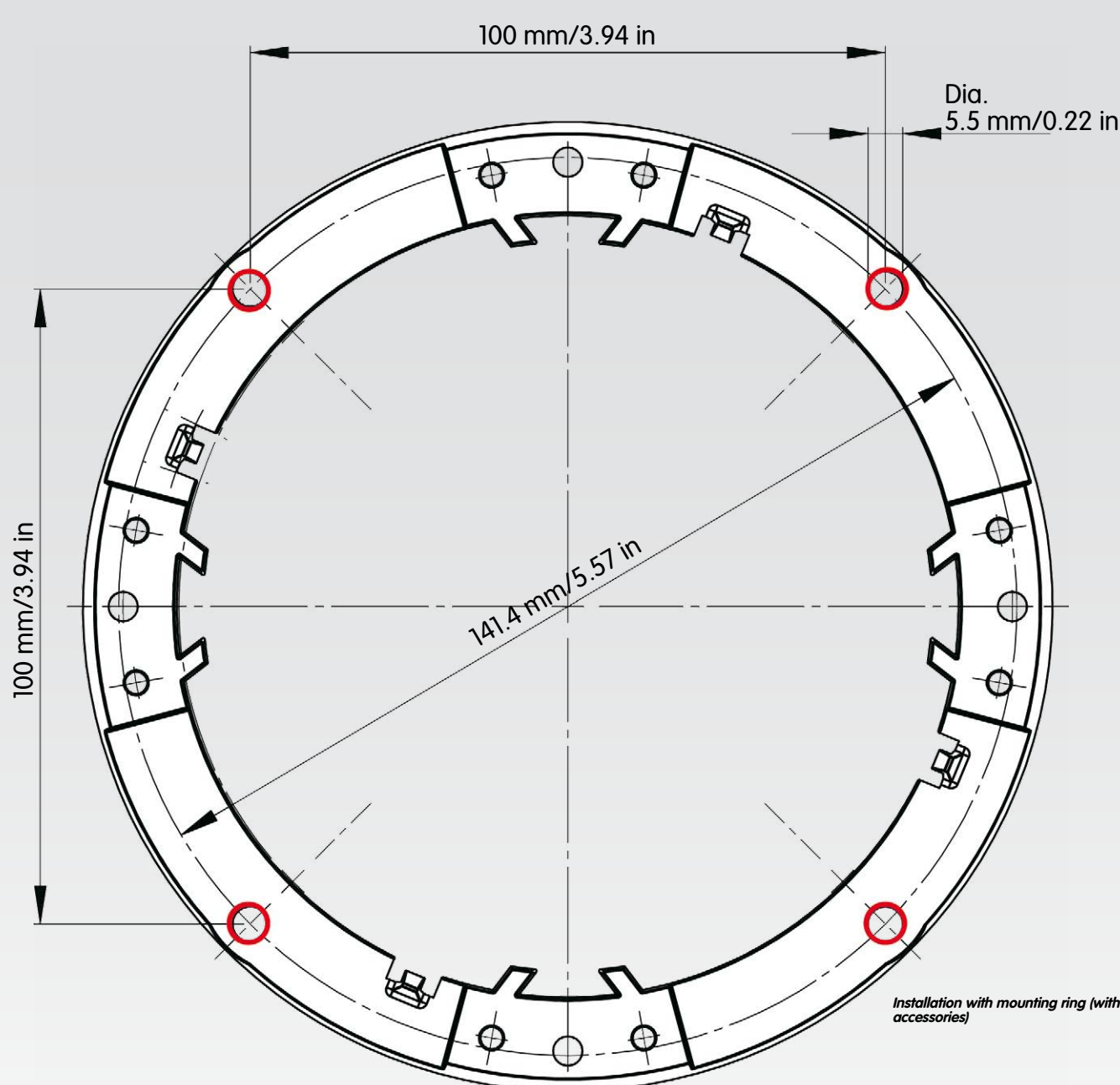


Technical Specifications

Technical Specifications D25	
Lens Options	MX-B036 to MX-B237 (20 to 135 mm in 35 mm format), 103° to 15° horizontal angle of view
Min. Illumination	Color sensor: 0.1 Lux at 1/60 s, 0.005 Lux at 1 s black & white sensor: 0.02 Lux at 1/60 s, 0.001 Lux at 1/1 s
Image Sensor	1/1.8" CMOS, 6 Mega pixels, Progressive Scan
Max. Image Size	Color/Black & White 3072x2048 (6MP)
Image Formats	3072x2048 (6MP), 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA), 1280x720 (HD), 1024x768, 800x600, 768x576 (DI-PAL), 704x576 (TV-PAL), 640x480, 384x288, 320x240, 160x120, custom formats
Max. Frame Rate M-JPEG (Live/Recording)	HD: 20 fps, MEGA: 15 fps, QXGA: 8 fps, 5MP: 5 fps, 6MP: 4 fps
Max. Frame Rate MxPEG (Live/Recording with Sound)	HD: 30 fps, MEGA: 30 fps, QXGA: 20 fps, 5MP: 10 fps, 6MP: 8 fps
Image Compression	MxPEG, M-JPEG, JPEG
Internal DVR	MicroSD card pre-installed (SDXC)
External Video Ring Buffer	Directly on NAS or PC/Server, no additional recording software required
Software (Included)	MxManagementCenter MOBOTIX App for iOS devices version 5.0 and higher
Image Processing	Backlight compensation, automatic white balance, image distortion correction, panorama correction, video motion detection, MxActivitySensor

Technical Specifications D25	
Virtual PTZ	Digital pan/tilt/zoom, continuous up to 8X
Alarm/Events	Video Motion detection, MxActivitySensor, external signals, temperature sensor, PIR, microphone, shock detector, notification via e-mail, FTP, IP telephony (VoIP, SIP), visual/sound alarms, pre- and post-alarm images
Microphone and Speaker	Microphone and speaker using optional accessory (ExtIO)
Audio Functions	Lip-synchronous audio, two-way communication, audio recording
Interfaces	Ethernet 10/100, IPv4/IPv6, MiniUSB; MxBus; inputs/outputs using optional accessory
Video Telephony	VoIP/SIP, two-way communication, remote controlling using key codes, event notification
Security	User/group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Certifications	EMV (EN 55022, CISPR 22, EN 55024, EN 61000-6-1/2, FCC Part15B, CFR 47, AS/NZS 3548)
Power Supply	Year-round Power-over-Ethernet (IEEE 802.3af); PoE class variable
Power Consumption	Typ. < 4.5 W
Operating Conditions	IP65, -30 to +50 °C/-22 to 122 °F
D25 Dimensions/Weight	Diameter x Height: 160 x 86 mm (on-wall installation); weight: approx. 350 g (including lens)
Standard Delivery	Housing (high-resistance composite, PBT), white, shock-resistant dome (transparent), freely selectable lens, mounting supplies, wrenches, 50 cm patch cable, software, MicroSD card (installed)

Drilling Templates



Manuals and drilling templates: www.mobotix.com > Support > Manuals > IP Camera Systems > Dome D25.

Innovations - Made in Germany

The German company MOBOTIX AG is known as the leading pioneer in network camera technology and its decentralized concept has made high-resolution video systems cost-efficient.

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