



Compact Hemispheric Camera for Indoor Applications



MOBOTIX 5MP camera for unobtrusive indoor applications, available as Day or Night version with L12 (Hemispheric) or L23 lens. More information available under [www.mobotix.com](http://www.mobotix.com) > Products > Hemispheric i25

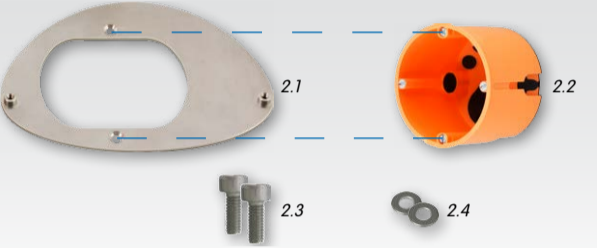
- Recording on internal microSD card (SDXC)
- Sound recording using integrated microphone
- Speaker available as accessory
- Sensors for temperature, illumination, shock detection integrated

i25 Standard Delivery



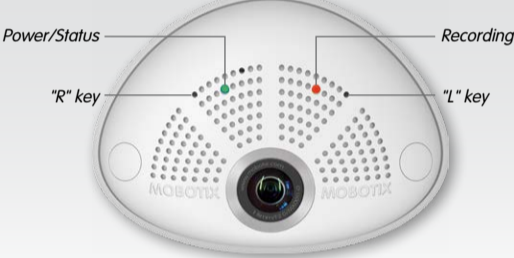
Item	Count	Part Name
1.1	1	Housing (installed)
1.2	1	Back cover (installed)
1.3	1	Main board with lens L12 or L23 (installed)
1.4	2	Bayonet catch, blue (installed)
1.5	1	USB plug, blue (installed)
1.6	1	Ethernet plug, blue (installed)
1.7	1	Ethernet patch cable, 50 cm/19.7 in, black
1.8	1	Wall sealing
1.9	2	Screw plug, white
1.10	2	Washer Ø 4.3 mm, stainless steel
1.11	2	Wood screw 4x40 mm, stainless steel
1.12	2	Screw anchor S6
1.13	1	MicroSD card (installed)
1.14	1	Allen wrench 2.5 mm

Standard Delivery i25 Cavity Wall Installation Set (Accessory)



Item	Count	Part Name
2.1	1	Mounting plate, stainless steel
2.2	1	Cavity wall socket
2.3	2	Allen screw M4x8 mm, stainless steel
2.4	2	Washer Ø 4.3 mm, stainless steel

Connection and Initial Operation of the i25



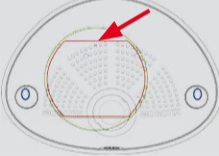
For information on **connecting** the i25, please see the Q25M Camera Manual, *Section 2.9, «Network and Power Connection, Additional Cables»*.

Regarding the **initial operation** of the i25, please see the Q25M Camera Manual, *Chapter 3, «Initial Operation»* and follow the instructions for wall mounting.



Installation Without Cavity Wall Installation Set

Use the drilling template on the back for this step. Mark the holes for dowels or screws (blue) and the cut-out for the cables (red). If required, drill the holes for the dowels, push them in and cut the cut-out for the cables. Guide the Ethernet cable and any other cables that are to be connected through the cut-out.



1. Press wall sealing on i25

Press the wall sealing on the back of the i25 and make sure that it lies flat all around the rim. Note that the labels of the sealing are pointing towards the back of the camera.



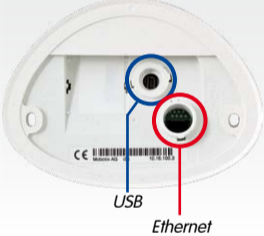
3. Install the i25

Press the camera and the wall sealing against the wall and align the holes with the holes for the dowels or screws. Insert the screws with washers and tighten them using a torque of 0.4 Nm.



2. Connect the cables

Insert the cables into the appropriate connectors and fasten them using the blue bayonet catches.



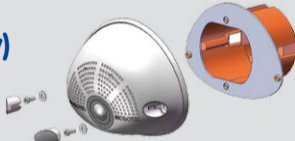
4. Apply screw plugs

Push in the screw plugs to close off the holes with the screws. When doing so, make sure that the notches in the plugs follow the guides.



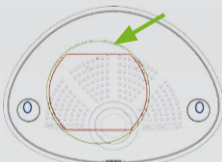
Installation With Cavity Wall Installation Set (Accessory)

With this type of installation, the mounting plate of the Cavity Wall Installation Set is screwed onto a cavity wall socket. The i25 itself is screwed onto the mounting plate using Allen screws. There is no drilling for dowels or screws required.



1. Cut out the hole for the cavity wall socket

Mark the hole for the cavity wall socket (green circle on drilling template) and cut out the hole.



2. Insert the cavity wall socket

Insert the cavity wall socket and tighten the two screws (red arrows) in order to fasten the socket in the wall.



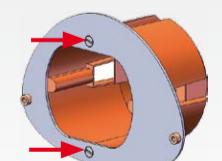
3. Remove the screws

Remove the two screws in the cavity wall socket (red arrows), which are otherwise used for fastening switches etc.



4. Attach the mounting plate

Use the two screws you just removed to fasten the mounting plate onto the cavity wall socket.



5. Press wall sealing on i25

Press the wall sealing onto the back of the i25 and make sure that it lies flat all around the rim. Note that the labels of the sealing are pointing towards the back of the camera.



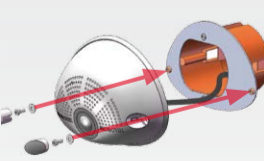
6. Connect the cables

Guide the cables of the camera from behind through the cavity wall socket. Insert the Ethernet cable and – if installed – the USB cable into the corresponding sockets. Secure the connectors using the blue bayonet catches.



7. Install the i25

Push the remaining cable into the cavity wall socket, then press the camera and the wall sealing onto the mounting plate. Use the two Allen screws with the washers to fasten the i25 onto the mounting plate (0.4 Nm).



8. Apply screw plugs

Push in the screw plugs to close off the holes with the screws. When doing so, make sure that the notches in the plugs follow the guides.



Uninstalling the Camera

1. Remove the screw plugs

Remove the two white screw plugs using a small flat-head screw driver, for example.



2. Remove the retaining screws

Remove the retaining screws using a suitable Allen wrench or screwdriver and take off the entire camera.



## 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](http://www.mobotix.com) > **Support** > **MX Media Library** > **Planning** in the document *MicroSD Card Whitelist for MOBOTIX Cameras*. If the camera has already been installed, follow the instructions in section «Uninstalling the Camera».

**Caution:** In order to avoid damage from electrostatic discharge, you should touch a grounded device before opening the housing of the camera (e.g., the blank metal at the back of a computer). This will remove any static electricity that may have built up.

## 1. Remove the cables on the back

Release the blue bayonet catch, then remove the patch cable.

If a USB cable is attached, remove this cable in the same way.

Lay aside the wall sealing of the camera.



## 2. Remove the back cover

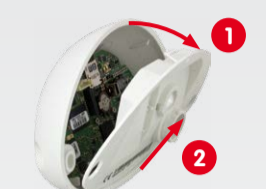
Insert a suitable device into the hole at the top of the back cover as shown until you feel resistance.

In order to release the back cover, **cautiously** press upwards as indicated by the blue arrow. If you are using a flat-head screwdriver, simply turn the screwdriver.



Gently pull the back cover a bit backwards

1, then lift the back cover upwards to remove it 2.



## 3. Remove the main board

Release the main board by **gently** pressing the snap-fit hook beneath the main board as indicated by the arrow.



Push the main board out of the housing by gently applying pressure onto the lens holder (push upwards, since the main board is tilted downwards 15 degrees).

Take care that the lens holder does not catch in the tunnel or the snap-fit hook.



## 4. Remove/insert 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.

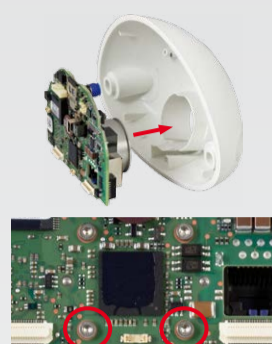
Insert the new microSD card and gently press with your finger as indicated by the arrow until you hear the **click**.



## 5. Insert the main board

Insert the lens into the tunnel of the housing as shown.

Put your thumbs onto the two lower screws of the main board (red circles) and cautiously press on the screws until the main board clicks into place.



## 6. Insert the back cover

Insert the back cover at the bottom 1, then push shut at the top 2 and press until it clicks into place.



## 7. Re-connect the cables

Press the wall sealing onto the back of the i25 and make sure that it lies flat all around the rim. Note that the labels of the sealing are pointing towards the back of the camera.

Insert the Ethernet cable and – if installed – the USB cable into the corresponding sockets and secure the connectors using the blue bayonet catches.



## Important Notes

## Safety Warnings

- This product must not be used in locations exposed to the dangers of explosion.
- Make sure that you install this product as outlined in the installation instructions above.
- 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 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.
- The power consumption of all attached **MxBus modules** must **not exceed 2.5 W**. When attaching modules to the MxBus connector **and** the USB connector, the **power consumption of all attached modules must not exceed 1 W**.
- Due to the high performance of the i25, 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. This camera must not be installed within the reach of persons.

- Make sure the power supply to the camera is disconnected before opening the camera housing (e.g., when exchanging the SD card).
- 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.
- Make sure that the operating temperature of 0 to +40 °C/+32 to +104 °F is not exceeded.

## Legal Notes

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 i25, 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 valid regulations and comply with these laws. MOBOTIX AG is not liable for any illegal use of its products.

## Technical Specifications

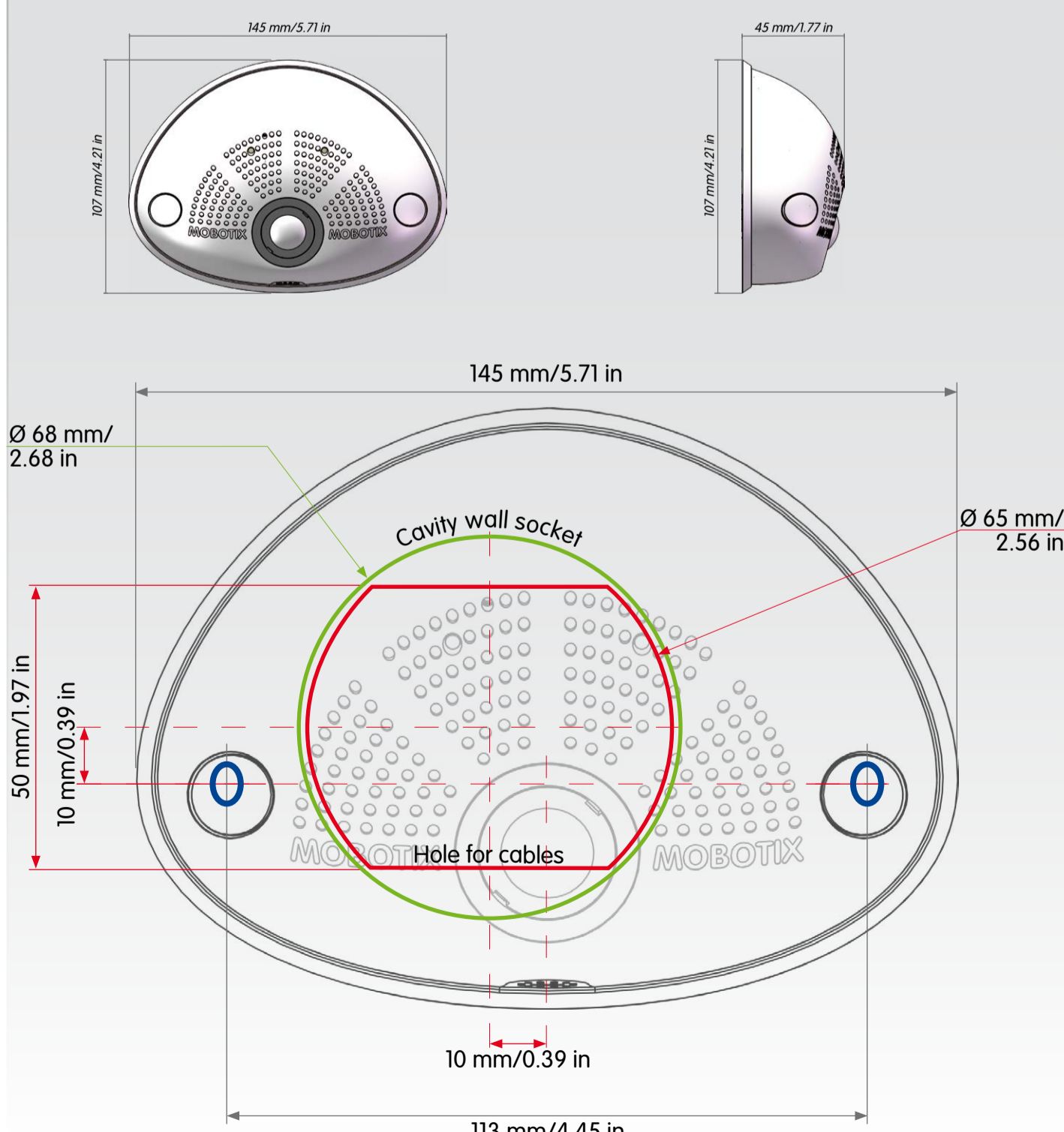
Since the i25 is identical to the Q25M for the most part, the technical data listed in the Q25M Camera Manual in Section *Technical Data* also applies to this product. You can find the Q25M Camera Manual as a PDF file on [www.mobotix.com](http://www.mobotix.com) > **Support** > **Manuals**.



i25 (Differences Compared to Q25M)	
Lens Options	L12 (180°) (horizontal field of view)
Audio features	Microphone is always installed and activated, speaker depending on variant
Interfaces	Ethernet 10/100, IPv4/IPv6, MiniUSB; MxBus and inputs/outputs using optional accessory
Power Consumption	Typ. 4 W

i25 (Differences Compared to Q25M)	
Operating Conditions	IP30 (DIN EN 60529) 0 to +40 °C/+32 to +104 °F (DIN EN 50155)
Dimensions	Width 145 mm, height 107 mm, depth 45 mm
Materials	Housing: PBT GF30
Weight	approx. 222 g/0.49 lb (incl. 50 cm Ethernet patch cable)

## Dimensions/Drilling Template



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.

MOBOTIX AG • D-67722 Langmeil • Phone: +49 6302 9816-103 • Fax: +49 6302 9816-190 • [sales@mobotix.com](mailto:sales@mobotix.com)