| Outdoor Wall Mount | On-Wall Set 10° | Vandalism Kit |
| On-Wall Set | Cavity Wall Installation Set | |

Hemispheric 6MP Dome Camera with Day or Night Image Sensor for Ceiling, Wall and Pole Mounting

- Mx6 system platform with H.264 support
- Includes MxAnalytics video analysis tools out-of-the-box
- Recording on internal MicroSD card (SDXC, SDHC installed)
- Audio integrated (microphone and speaker)
- Sensor for temperature and shock detector(*) integrated
- Weatherproof and robust camera housing (IP66, IK06)
- Simply mounted to poles using Pole Mount (accessory)

MOBOTIX 6MP camera for flexible use in indoor and outdoor applications, available as complete Q26 Hemispheric (Day or Night) with 180-degree lens. 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.

More information:
www.mobotix.com > Products > Outdoor Cameras > Hemispheric Q26

*: with firmware version 5.0.1 and higher

Mx-Q26
32.833-002_EN_09/2017
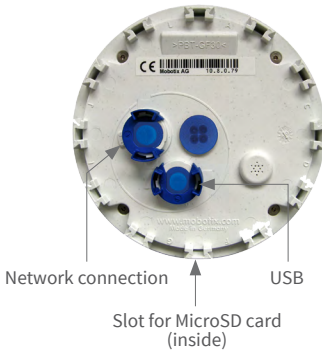
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Standard Delivery Q26

Item	Count	Part Name
1.1	1	Camera housing
1.2	1	Lens (installed)
1.3	1	Lens wrench
1.4	1	MicroSD card (SDXC, SDHC pre-installed)
1.5	1	Ethernet patch cable CAT5 0.5 m/1.64 ft
1.6	1	Allen wrench 3 mm
1.7	1	Allen wrench 2 mm
1.8	1	Torx wrench TX20
1.9	1	Outer shell
1.10	4	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	1	Stainless steel Allen screws M4x16 mm
1.16	2	Cable lock with bayonet catch (Ethernet patch cable, MiniUSB)

Connections and Initial Operation of the Q26

You can find detailed information on the **installation** and **connections** of the Q26 in the *Q25 Camera Manual* (PDF, available on **www.mobotix.com > Support > Manuals**).

Please note that the boot options of this camera have changed compared to its predecessor (see *«Boot Options of the Q26» on page 1*) and the camera only has one key ("R"). Regarding the rest of the **initial operation** of the Q26, please see the *Q25 Camera Manual* in *Chapter 3, «Initial Operation»*.

Outer shell
Camera
Mounting ring
"R" key
LEDs
Lens
Network connection
USB
Slot for MicroSD card (inside)

Mounting Options of the Q26

Prepare the Camera

Remove the outer shell of the Q26 (if installed). Then, remove the bayonet lock and the blue plug from the network connection. Insert the patch cable (item 1.5) into the network connection and secure it again with the bayonet lock.

Installation on Walls or Ceilings Without Accessories

After drilling the holes for fixtures (see *«Drilling Templates»*), attach the mounting ring of the Q26 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 *«Adjusting the Lens Focus of the Q26» on page 2*). Finally, install the camera's 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 Q26, connect the cabling and install the camera on the On-Wall Set. Finally, install the camera's outer shell.

Installation With Cavity Wall Installation Set (Accessory)

After cutting out the hole (see *«Drilling Templates»*), remove the mounting ring of the Q26 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.

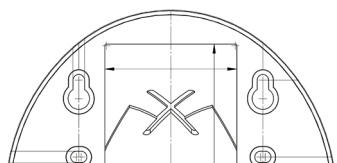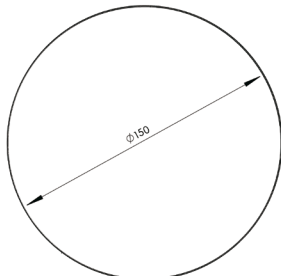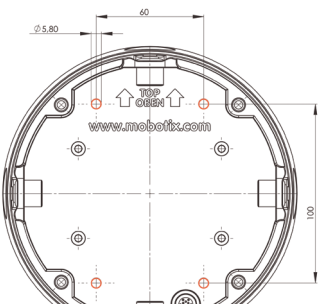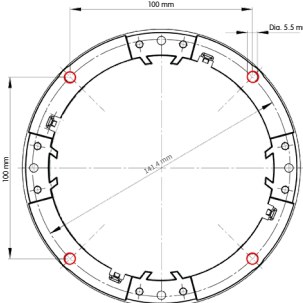### Installation With Outdoor Wall Mount (Accessory)

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 Q26, 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 camera's 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 Q26 follows the steps under *«Installation With Outdoor Wall Mount (Accessory)»* above.

Installation of the Vandalism Kit (Accessory)

Remove the lens using the lens wrench and remove the lens gasket. Screw the lens into 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 (SDHC) 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 > MxMedia 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).

1. Remove the SD card

Remove the back of the camera housing. 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. Install the back of the camera housing.

Boot Options of the Q26

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

- Disconnect the camera's power supply.
- Make sure that you have suitable item such as a paper clip at hand, **but never use sharp or pointed objects!**
- 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 key by inserting the paper clip into the hole 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 key again (< 1 sec). After the last boot option, the camera returns to the first option (LED flashes once).

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

*Only on cameras with audio option and installed speaker.

3. Selecting a Boot Option

Press the paper clip longer (> 2 sec) into the hole. The camera confirms the selection by flashing rapidly three times. You can now remove the paper clip. After 20 sec, the camera will confirm the selection by playing a sound according to the table above.
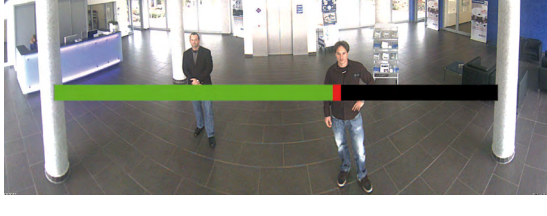
If nothing is selected, the camera will resume its normal boot process after a certain time.

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If installed, remove the dome (using the wide side of the lens wrench, item 1.3) before proceeding.

Check the live image from the camera in the browser (enter the camera's IP address in the browser address bar). Activate the focusing aid in the browser (**Focusing Aid** quick control, **Activated** value).

Using the lens wrench (item 1.3), carefully turn 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).

Reinstall the dome, if required.

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.

Never touch the lens: Due to the high performance of the Q26, 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 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 exchanging the SD card or when opening the body to attach wires).

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 Q26, 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.
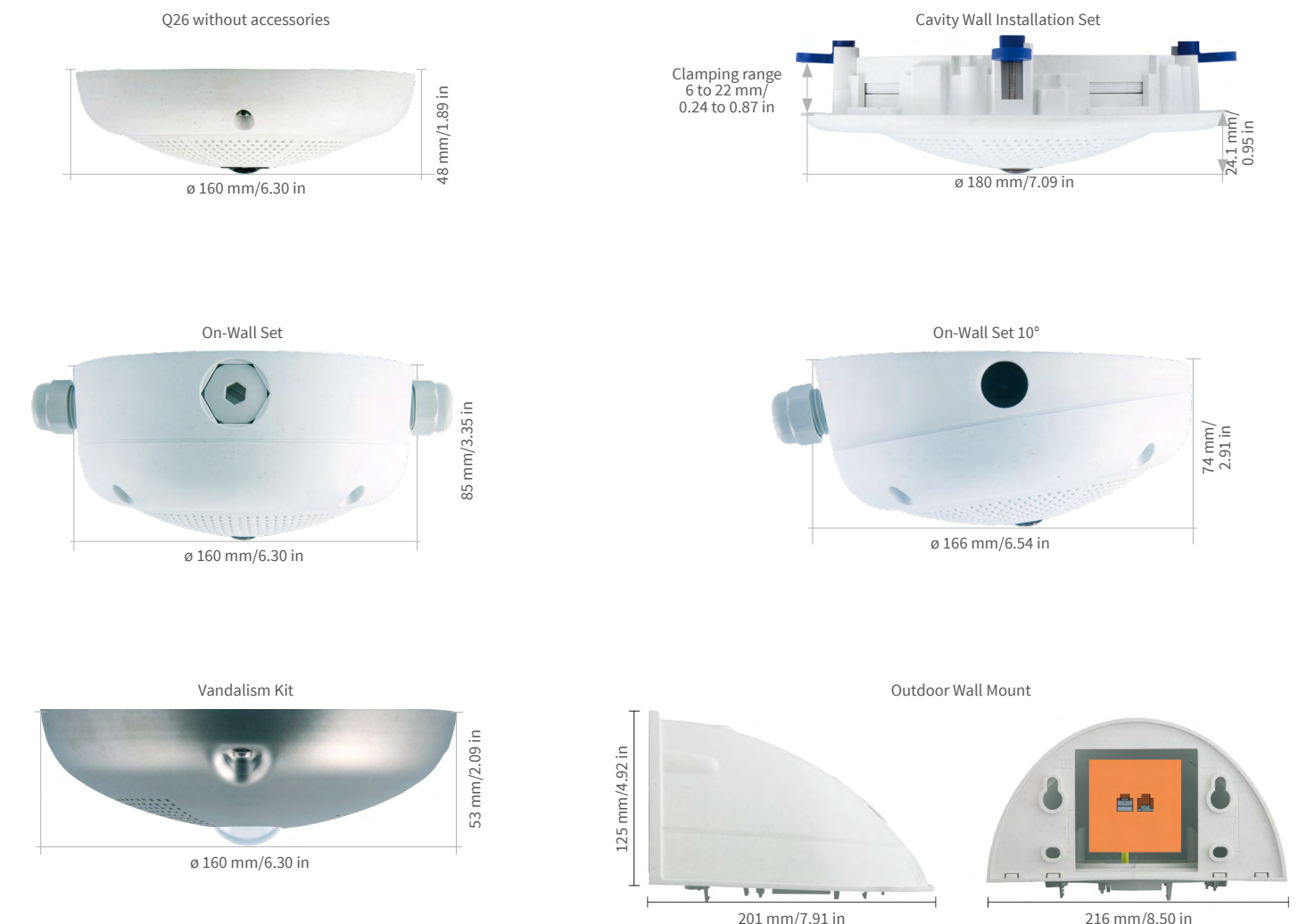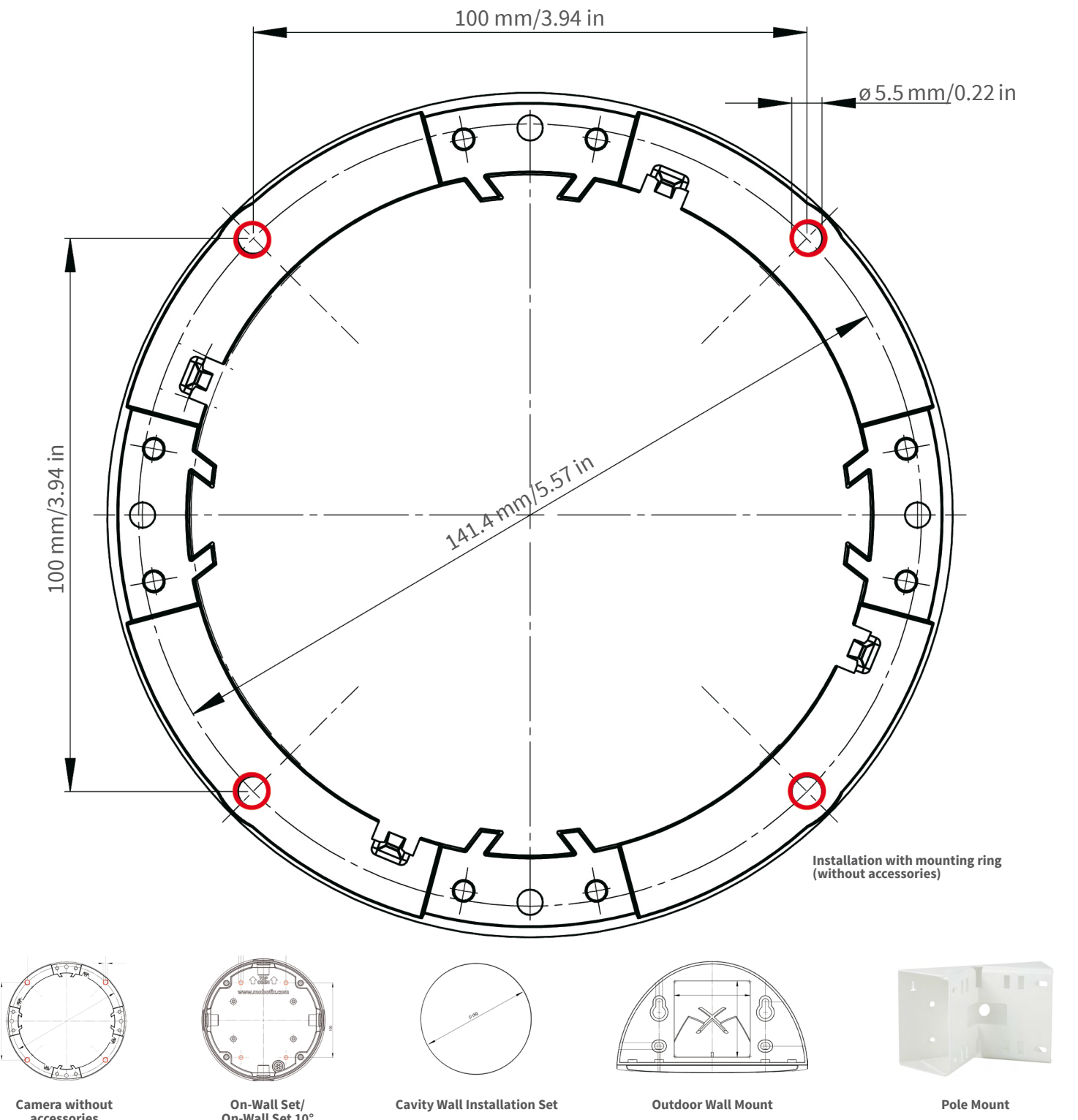
Technical Specifications Q26

Model Variants	Mx-Q26A-6D016 (daylight image sensor, color) Mx-Q26A-6N016 (night image sensor, Black&White)
Lens Option	B016 (focal length 1.6 mm, f/2.0, image angle 180°x180°)
Sensitivity	• Color sensor (daylight): 0,1 lx @ 1/60s; 0,005 lx @ 1s • Black&White 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 4:3, 8:3, 16:9 or custom formats (image cropping), e.g., 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA)
Max. Frame Rate	• MxPEG: 42@HD(1280x720), 34@Full-HD, 24@QXGA, 15@5Mp, 12@6MP • 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) • H.264 (max. output size QKGA, bandwidth limitation applicable)
DVR	• In the camera on MicroSD card (SDXC, SDHC pre-installed) • External, on USB device • External, on NAS • Separate live image and full image recording – MxFFS with archiving function • Pre- and post-alarm images • Automatic DVR monitoring with error notification
Software	MxManagementCenter
Image Processing	MxLEO, backlight compensation, automatic white balance, distortion correction

PTZ	Digital pan/tilt/zoom, continuous up to 8X
Alarm/Events	Temperature sensor, shock detector (with firmware version 5.0.1 and higher), microphone, additional sensors/IOs via MxMessageSystem, notification via e-mail, FTP, IP telephony (VoIP, SIP), visual/sound alarms, pre- and post-alarm images
Intelligent Video Analysis	MxActivitySensor, video motion analysis, MxAnalytics
Audio	• Microphone/speaker, both 16bit/16kHz (HD wideband audio) • Lip-synchronous audio, audio recording • VoIP/SIP telephony, intercom, remote controlling using key codes
Interfaces	Ethernet 100BaseT (MxRJ45), MiniUSB (MxMiniUSB)
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; EN 61000-6-2:2005, EN61000-6-3:2007+A1:2011, EN61000-6-4:2007+A1:2011, AS/ NZS CISPR22:2009+A1:2010, CFR47 FCC part15B
Power Supply	Power over Ethernet IEEE 802.3af
Power Consumption	Typ. 3.3 W
Protection Classes	IP66 IK06, IK10 with Vandalism Kit
Ambient Temperature	−30 to 50°C/−22 to 104°F
Dimensions/Weight	Diameter x height: 160 x 48 mm/6.30 x 1.89 in; weight: approx. 350 g
Standard Delivery	Housing (high-resistance composite, PBT) white, mounting supplies, mounting wrenches, 50 cm/20 in patch cable, software, MicroSD card (SDXC, SDHC installed)

Dimensions

Q26 without accessories
ø 160 mm/6.30 in
48 mm/1.89 in

Cavity Wall Installation Set
Clamping range 6 to 22 mm/ 0.24 to 0.87 in
ø 180 mm/7.09 in
24.1 mm/ 0.95 in

On-Wall Set
ø 160 mm/6.30 in
85 mm/3.35 in

On-Wall Set 10°
ø 166 mm/6.54 in
74 mm/2.91 in

Vandalism Kit
ø 160 mm/6.30 in
53 mm/2.09 in

Outdoor Wall Mount
201 mm/7.91 in
216 mm/8.50 in
125 mm/4.92 in

Drilling Template Without Accessories

100 mm/3.94 in
ø 5.5 mm/0.22 in
141.4 mm/5.57 in
100 mm/3.94 in

Installation with mounting ring (without accessories)

Camera without accessories

On-Wall Set/ On-Wall Set 10°

Cavity Wall Installation Set

Outdoor Wall Mount

Pole Mount

Manuals and Drilling Templates:
www.mobotix.com > Support > Manuals > IP Camera Systems > Hemispheric Q26

Declaration of Conformity: www.mobotix.com > Support > MxMedia Library > Certificates