- Can be ordered with tubes 1 or 2 m (3.3/6.6 ft); also suited for standard aluminum tubes with 30 mm/1.18 in diameter and steel tubes 3/4".
- MxTubeMount for MOBOTIX cameras/sensor modules (not included):
- c25/p25 with On-Wall Mounting Set
- D25/Q25 with OnWall Set D25/Q25 or OnWall Set D25/Q25 10° (accessory)
- M15/M25 with Ceiling mount (included in camera delivery)
- PTMount/PTMount-Thermal
- For concealed cabling from the rear or on-wall cabling from the side.

Suspended Installation of MOBOTIX c25, D25, M15, M25, p25, Q25, v25 and PTMount/PTMount-Thermal

Set for suspended installation of MOBOTIX cameras and sensor modules from ceilings and beams, mounting supplies included.

More Information:
www.mobotix.com > Products > Home Automation > MxTubeMount

MX-TubeMount
32.567-003_EN_02/2017

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Standard Delivery

Item	Count	Part Name
1.1	2	MxTubeMount support with 2 set screws each (installed)
1.2	2	Aluminum tube 1 or 2 m (3.3/6.6 ft, optional)
1.3	2	Adjustment bushing 1
1.4	2	Adjustment bushing 2
1.5	1	Cover disc
1.6	4	Hex nut M6
1.7	4	Cylinder head screw M6x25 mm, stainless steel
1.8	13	Washer 6.4 mm dia., stainless steel
1.9	5	Wood screw 6x50 mm, stainless steel
1.10	5	Dowel S8
1.11	6	Filister head screw KA4x14 mm, stainless steel
1.12	1	Safety wire 2.2 m/7.2 ft with 1 loop and 1 crimp fitting
1.13	1	Allen wrench 5 mm
1.14	1	Allen wrench 2.5 mm

Preparing the Installation

1. Prepare the Tube

If you are using the mount without supplied tube, cut the tube to size (max. length aluminum tube 2 m/6.6 ft, steel tube 1.6 m/5.2 ft). If the external diameter of the tube is less than 30 mm/1.18 in, make sure to use the supplied adjustment bushings. The external diameter with adjustment bushing should be between 29.7 and 30.4 mm/1.169 and 1.197 in.


2. Install Suitable Carriers at the Beams (optional)

Take care not to damage or weaken any structurally relevant parts of the ceiling. Use suitable support frames to install the mount at i-beams, for example.
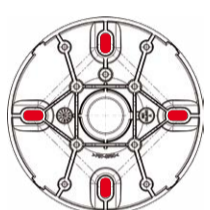

3. Break Out Cable Guide at the Side (optional)

If you are running the cables from the side and not from the rear, you should break out one or more of the four cable guides.
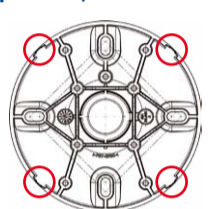
4. Drill Holes (if required)

Drill the holes for the mounting screws for the top mount using the supplied drilling template on the back.


Installing the MxTubeMount

1. Attach the Safety Wire at the Top Mount

Shorten the safety wire (item 1.12) so that the finished wire is not longer than the overall length of the entire length of the unit plus 20 cm/7.87 in. Apply the crimp fitting of the safety wire, create a loop the same size as the prefabricated loop and crimp the fitting using a suitable tool.

Caution: To securely fasten the wire, make that the *diameter of the loop is no larger than 6 mm/0.24 in*.
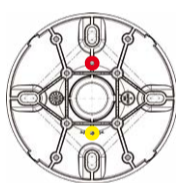
Using one of the Filister head screws 4x14 (item 1.11), attach the safety wire at the proposed location in the top mount (red circle in the fig., torque 2 Nm).

As an alternative, you can also attach the safety wire to the ceiling. For this purpose, you can use one of the supplied wood screws (item 1.9) with a dowel (item 1.10) and a washer (item 1.8). If you are using a different type of screw, make sure that the wire loop is completely covered by the screw head or that you use an additional washer.

2. Connect the Cables

Lead the cables from the top or from the side to the mount. If the cables are coming from the side, cut or break out one of the cable guides (red circles in figure).
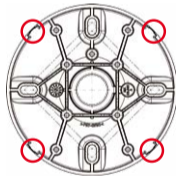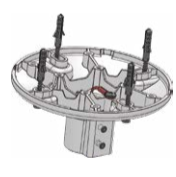
Guide the cable and the safety wire through the top mount. To prevent pinching the cables when entering from the side, make sure that you guide the cables through the gaps in the mount (blue arrows in figure).
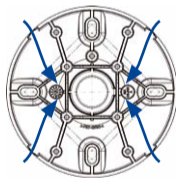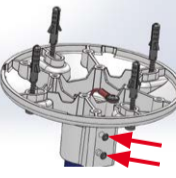

3. Install the Top Mount

Install the top mount at its position using the wood screws (item 1.9), dowels (item 1.10) and washers (item 1.8) or by other suitable means.

4. Insert the Tube into the Top Mount

Guide the cable and the safety wire through the tube. Insert the tube (with adjustment bushing, if required, see *Preparing the Installation*) into the top
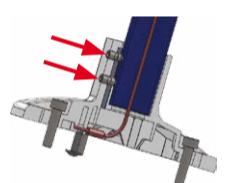

mount and fasten the set screws of the mount in alternating fashion (torque 1.5 Nm).

5. Install the Bottom Mount

Guide the cable and the safety wire through the bottom mount.

Push the bottom mount onto the tube (with adjustment bushing, if required, see *«Preparing the Installation»*) and fasten the set screws of the mount (torque 1.5 Nm).
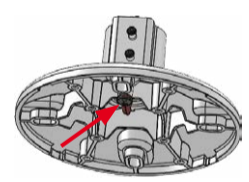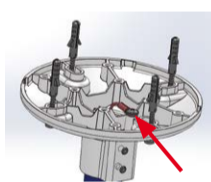

6. Attach the Safety Wire at the Bottom Mount

Using one of the Filister head screws 4x14 (item 1.11), attach the safety wire at the proposed location in the bottom mount (red circle in the fig., torque 2 Nm).
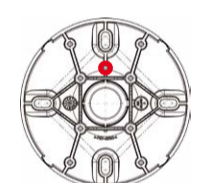

Make sure that the safety wire is now fastened at the ceiling or the top mount and the bottom mount.
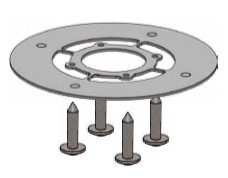

7. Apply Cover Disc (M15, M25, PTMount, PTMount-Thermal only)

Lead the cables through the cover disc and affix them at the bottom mount as follows:

- **M15/M25:** Break out the pre-cut holes and insert the cover disc between the mount and the ceiling mount using the cylinder head screws M6x25 mm (item 1.7), two washers each (item 1.8) and hex nuts (item 1.6).
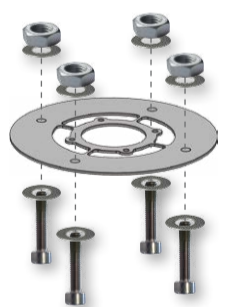
- **PTMount/PTMount-Thermal:** Insert the cover disc between the mount and the PTMount base plate and the adapter ring using four Filister head screws 4x14 (item 1.11).

Install D25/Q25/PTMount/PTMount-Thermal at the MxTubeMount

Attach the OnWall Set D25/Q25/OnWall Set D25/Q25 10° or the PTMount/PTMount-Thermal to the bottom mount of the MxTubeMount (using the cover disc for the latter two) as shown below using the Filister head screws 4x14 mm (item 1.11). When using the OnWall Set D25/Q25/OnWall Set D25/Q25 10°, you can drill a hole into the base plate to conceal the cabling on its way into the on-wall set.

D25   **Q25**

with OnWall Set D25/Q25 or OnWall Set D25/Q25 10°
recommendation: drill hole in the center of the on-wall set to
provide for concealed cabling

PTMount   **PTMount-Thermal**

with cover disc

1.11

1.11
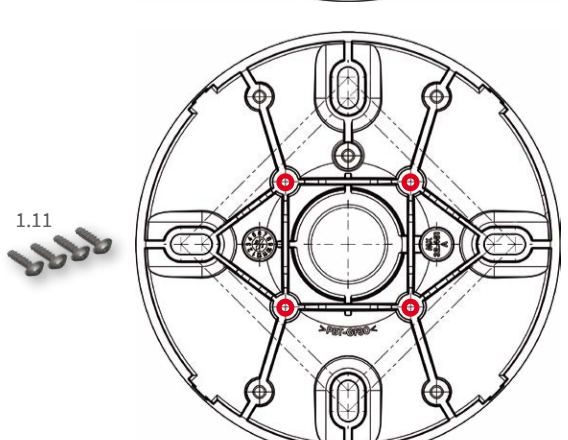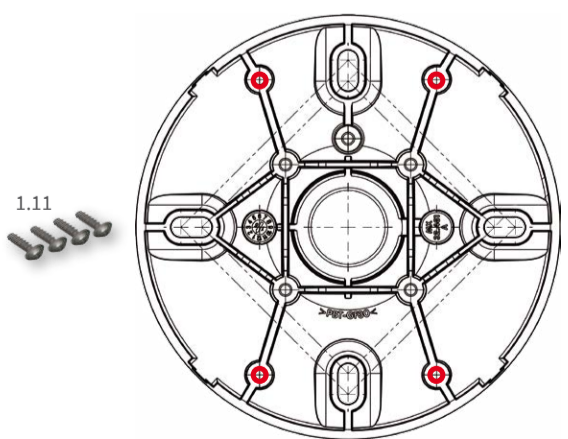
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Attach the On-Wall Mounting Set (c25/p25), the v25 or the Ceiling mount to the bottom mount of the MxTubeMount (M15/M25 with cover disc) using the cylinder head screws M6x25 (item 1.7), two washers each (item 1.8) and hex nuts (item 1.6).

with OnWall Mounting Set c25/p25

c25   p25   v25

1.6
1.8
1.7
1.8

M15   M25

with Ceiling mount and cover disc
(break out 4 pre-cut holes)

1.6
1.8
1.7
1.8

Alternative: Pre-Install the Entire Unit With Camera

As an alternative to the installation of the MxTubeMount described above, you can pre-install the entire unit (top mount, tube, bottom mount, safety wire, camera and cabling) at a suitable place. At the site, you only need to connect the cables and to install the entire unit at the ceiling structure (preferably with the aid of a second person).

1. Attach both mounts to tube

- Attach both mounts to the tube (see *«Installing the MxTubeMount» on page 1*). If required, use suitable adjustment bushings, when using a 3/4" steel tube, for example (see *«Preparing the Installation» on page 1*).
- Shorten the safety wire (item 1.12) so that the finished wire is not longer than the overall length of the entire unit plus 20 cm/7.87 in. Apply the crimp fitting of the safety wire, create a loop the same size as the prefabricated loop and crimp the fitting using a suitable tool.
- Affix one end of the safety wire to the top mount, then guide the safety wire through the tube. You can skip this step if the safety wire will be attached to the ceiling structure later on.
- Attach the prefabricated loop of the safety wire to the bottom mount.

2. Prepare the camera/install the on-wall socket

- **M15/M25:** Exchange the wall mount of the camera for the ceiling mount.
- **c25/p25/D25/Q25:** Properly fasten the on-wall socket at the bottom mount (see *«Install D25/Q25/PTMount/PTMount-Thermal at the MxTubeMount» on page 1* or *«Install c25/p25/v25/M15/M25 to the MxTubeMount» on page 2*).

3. Connect the camera/sensor module

Connect the wires you need to the camera/sensor module. Make sure that the cables are long enough for the length of the tube.

4. Install the camera/sensor module at the bottom mount/ on the on-wall socket

- **D25/Q25:** Install the camera on the on-wall socket (see *«Install D25/Q25/PTMount/PTMount-Thermal at the MxTubeMount» on page 1*).
- **PTMount/PTMount-Thermal:** Attach the sensor module at the bottom mount (cover disc and Filister head screws, see *«Install D25/Q25/PTMount/PTMount-Thermal at the MxTubeMount» on page 1*).
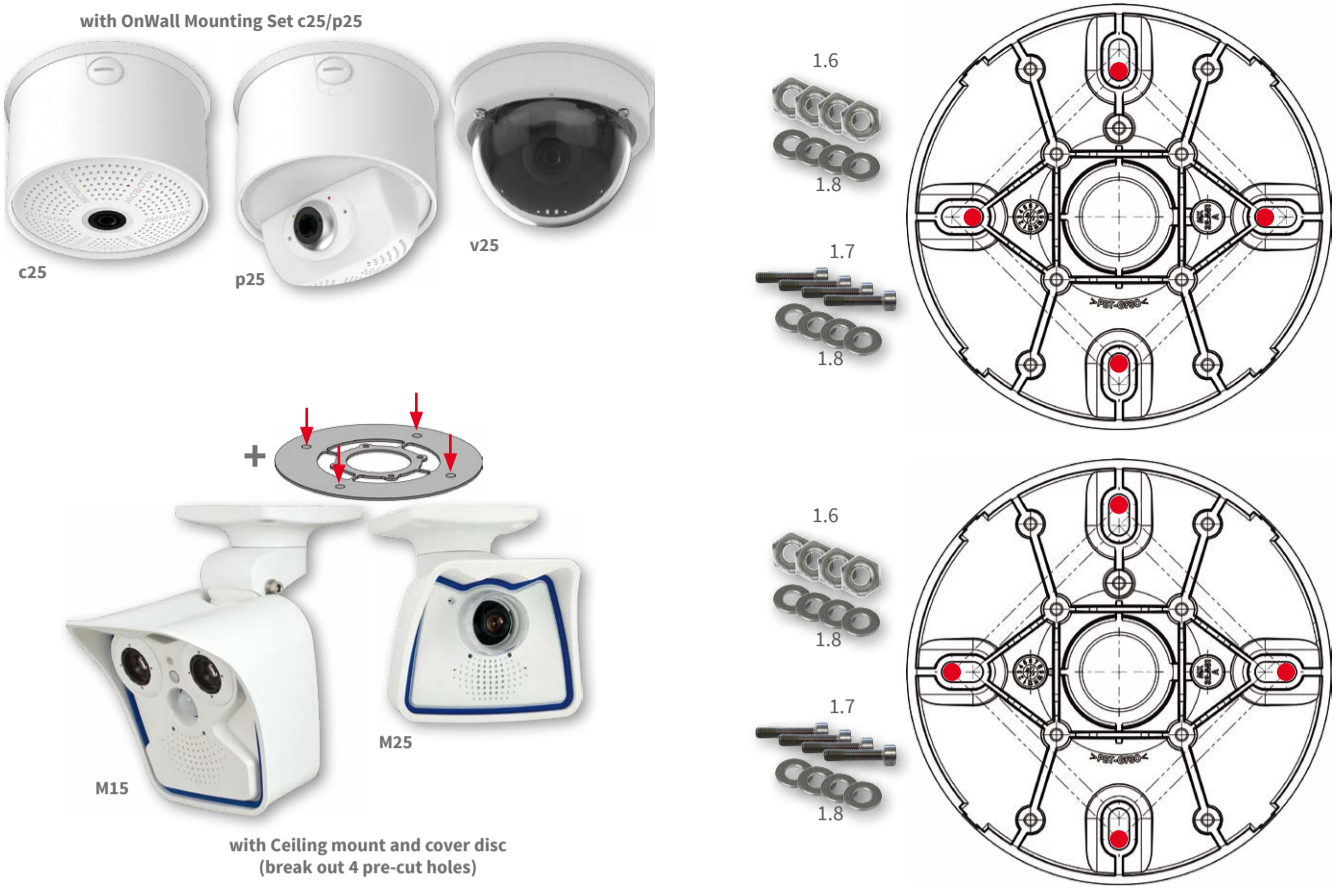- **M15/M25:** Attach the camera to the bottom mount (cover disc, cylinder head screws M6x25 with washers and hex nuts, see *«Install c25/p25/v25/M15/M25 to the MxTubeMount» on page 2*).
- **c25/p25:** Install the camera on the on-wall socket (see *«Install c25/p25/v25/M15/M25 to the MxTubeMount» on page 2*).
- **v25:** Attach the camera to the bottom mount (cylinder head screws M6x25 with washers and hex nuts, see *«Install c25/p25/v25/M15/M25 to the MxTubeMount» on page 2*).

5. Install entire unit

If the safety wire had not been mounted to the top mount in step 1, attach the upper loop of the safety wire to the ceiling. Connect the cabling and properly fasten the entire unit using the supplied screws and dowels or by using other suitable means.

Safety Warnings

- This product has been designed to be used in indoor setups only. This product must not be used in locations exposed to the dangers of explosion.
- This product must not be used with other cameras than the MOBOTIX c25, D25, M15, M25, p25, Q25, v25 and the PTMount/PTMount-Thermal.
- Make sure that you install this product as outlined in the installation instructions of this leaflet.
- Only install this product on suitable, solid materials that provide for a sturdy installation of the fixing elements used.
- *Form a loop of the safety wire the same size as the prefabricated one, then crimp the supplied fitting using a suitable tool and make sure that the loop will securely carry the expected load.*
- *The supplied safety wire must be fastened securely at the top mount or the ceiling and the bottom mount to prevent the camera from falling down.*

- *If you are using a tube that is shorter than 2 m/6.6 ft, you need to shorten the wire so that the camera can fall no more than 20 cm/7.87 in.*
- *The weight of the tube used must not exceed 1.6 kg/3.53 lb, the gross weight of all installed parts must not exceed 5 kg/11 lb.*
- *If tubes with an outside diameter of less than 30 mm/1.18 in are used, the corresponding adjustment bushings are to be installed.*
- *Make sure not to exceed the max. torque of 1.5 Nm when tightening the set screws for the tubes.*
- 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.
- For the MxTubeMount, the same operating conditions apply as for the installed MOBOTIX camera.

Technical Specifications

MxTubeMount	
Dimensions	Total diameter (with sealing) 144 mm/5.67 in, add. height without camera per mount: 23.5 mm/0.93 in
Operating Conditions	Indoor only, otherwise the same as for installed MOBOTIX camera
Materials	Housing: PBT GF30 Tube: Aluminium
Max. Gross Weight	5 kg/11 lb (weight of all installed parts)
Max. Tube Length	Aluminum (diameter 30 mm/1.18 in, 2 mm wall thickness): 2 m/6.6 ft Steel (steel tube 3/4"): 1.6 m/5.2 ft
Max. Torque	Screws for safety wire: 2 Nm Other screws: 1.5 Nm

Dimensions

23.5 mm / 0.93 in

Drilling Template

Dia. 144 mm/5.67 in

80 mm/3.15 in
70 mm/2.76 in

Alternative position of the screw when attaching safety wire to the ceiling

Break-out cable guide at the side (optional)

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

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