



Mounting bracket for M15/M16 Mx-M-IRA-ML      Mounting bracket for M25/M26 Mx-M-IRA-M

## MxIRLight Outdoor Infrared Illuminator (IP67)

PoE-supplied infrared illuminator (860 nm) for cameras with black-and white image sensor, available in six product variants with illumination angles from 15 ° to 120 °

- High-performance IR illuminator in a robust all-aluminum housing
- Simple mounting and easy installation
- PoE+ power supply: power consumption max. 19 W
- Direct connection to a MxSplitProtect or a network cable
- Integrated photosensor for automatic on and off switching

More information:  
[www.mobotix.com](http://www.mobotix.com) > Products > Accessories > System Components > MxIRLight

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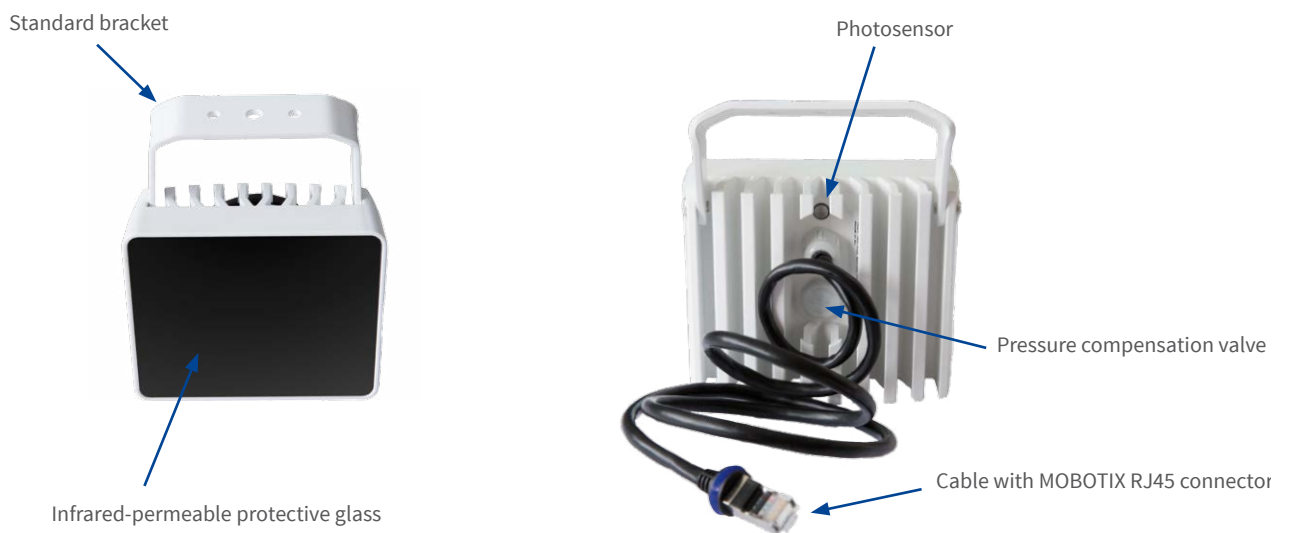
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### MxIRLight Standard Delivery



Item	Count	Part Name
1.1	1	Infrared illuminator in aluminum housing with pre-mounted 0.9 m patch cable with RJ45 connector
1.2	1	Angle bracket for wall mounting
1.3	2	Washer
1.4	1	Allen screw and nut
1.5	1	Allen wrench 3 mm
1.6	1	Torx wrench TX20
1.7	2	Allen screw M6x20 (to mount the mounting brackets, optional accessories), stainless steel
1.8	2	Washer Ø 6.4 mm, stainless steel
1.9	2	Screw anchor S8
1.10	2	Wood screw 4.5x60 mm, stainless steel

### Product Features and Manner of Functioning



The photosensor on the back of the housing measures the ambient brightness. When the measured ambient light level drops below 3 lux, the IR illuminator switches on automatically and when the measured ambient brightness exceeds the threshold of 3 lux for more than 150 seconds, it switches off automatically. This prevents the IR illuminator from switching off during short term increase in brightness caused by flashlights, vehicle headlights, flashes, etc.

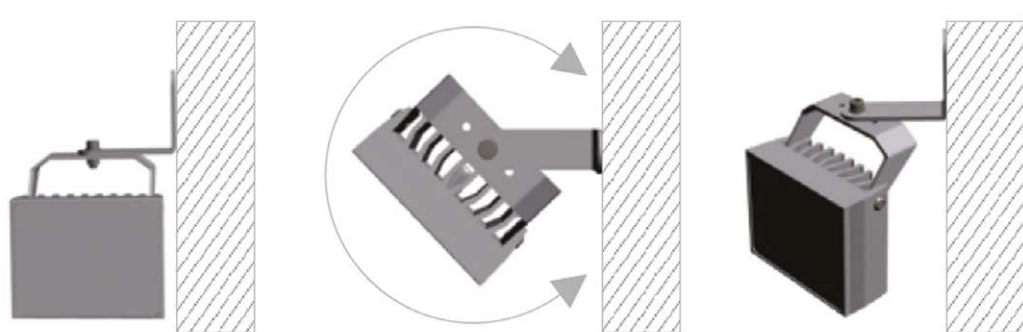
The supplied network cable with weatherproof RJ45 connector can be used to connect the IR illuminator to an MxSplitProtect without any additional accessories. It can also be connected directly to a network cable, which is used for the PoE + power supply of the MxIRLight. Since the MOBOTIX RJ45 connectors are compatible with standard RJ45 sockets, they can be used for the weatherproof connection of commercially available connectors and protective housings.

### Mounting Possibilities

#### Mounting with standard bracket



#### Mounting with additional angle bracket (see item 1.2 "Standard Delivery")



Wall mount for continuous rotation about the vertical axis

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**Mounting with standard bracket**

1. Draw two holes for the mounting bracket dowels at the desired location. Drill the holes and insert the dowels (item 1.9).
2. Loosen the screws that secure the mounting bracket to the illuminator, so that the bracket can be moved in the desired position. Or, if necessary, loosen the mounting bracket completely from the illuminator.
3. Press the mounting bracket onto the wall or ceiling so that the two screw holes of the bracket are over the dowels. Attach the screws (item 1.10) and the washers (item 1.8) and tighten the screws (with, e.g., a Torx key, item 1.6).
4. If necessary, screw the illuminator back on the mounting bracket. Adjust the illuminator and tighten the screws to secure the mounting bracket.

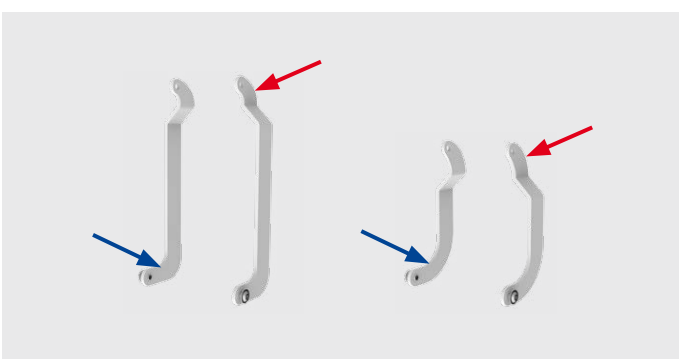
**Notes on mounting**

- To ensure adequate air circulation for cooling, the rear part of the illuminator must not be covered.
- Make sure that the illuminator is mounted in such a way that the photosensor at the back of the housing is neither permanently obscured and thus darkened, nor exposed to light sources that illuminate the sensor, but not the camera surveillance area.

**Mounting with Optional Accessories (Part No: Mx-M-IRA-ML and Part No: Mx-M-IRA-M)**

As an optional accessory, MOBOTIX offers two additional sets of mounting brackets, one for AllroundDual Cameras M15/M16 (Part No: Mx-M-IRA-ML) and the other for Allround Cameras M25/M26 (Part No: Mx-M-IRA-M). The illuminator can then be mounted to either the M15/M16 or the M25/M26 with a weatherproof PoE connection via the MxSplitProtect. For information on mounting the camera and the MxSplitProtect, please see the **Quick Install MxSplitProtect**.

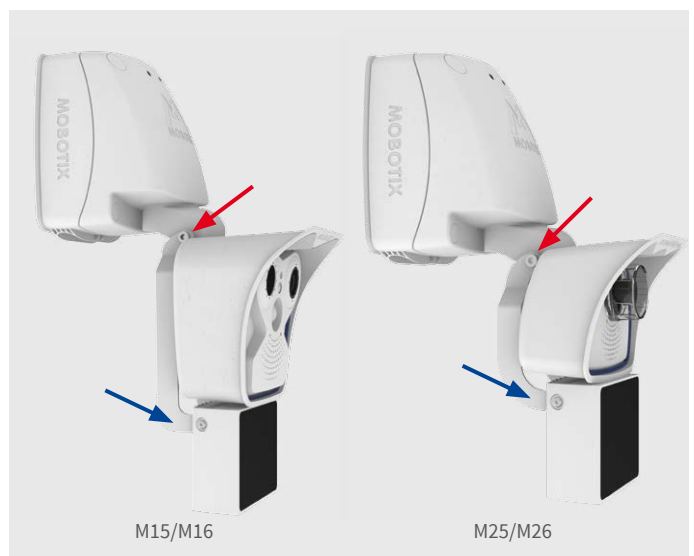
1. Unscrew the standard bracket on the Illuminator and attach the mounting bracket set for either the M15/M16 or for the M25/M26. Make sure that the forwardly curved ends of the brackets are attached to the illuminator (see blue arrows).



**Mounting with additional angle bracket (see item 1.2 "Standard Delivery")**

1. Draw two holes for the angle bracket dowels at the desired location. Drill the holes and insert the dowels (item 1.9).
2. Fasten the angle bracket with the screw (item 1.4) and the washers (item 1.3) on the mounting bracket.
3. Press the angle bracket onto the wall or ceiling so that the two screw holes of the bracket are above the dowels. Attach the screws (item 1.10) and the washers (item 1.8) and tighten the screws (with, e.g., a Torx key, item 1.6).
4. Rotate the illuminator around its vertical axis to the desired position and tighten the screw.
5. Loosen the screws that secure the illuminator to the mounting bracket, adjust the illuminator and retighten the screws.

2. Fasten the mounting brackets with the screws (item 1.7) and the washers (item 1.3, if needed) at the center joint of the wall mount of the M15/M16 or the M25/M26 (see red arrows).



**Next Steps**

1. After mounting the illuminator, remove the protective film from the glass.



2. Set up the power supply by connecting the supplied network cable to either a MxSplitProtect (please see the **Quick Install MxSplitProtect**) or a PoE switch.

**Note:** In an outdoor installation without the use of an MxSplitProtect (not recommended), one must also ensure a waterproof connection of the RJ45 patch cable to a suitable (Cat5/Cat7) cable that leads to the PoE switch. For this you can, for example, use a MX-Overvoltage-Protection-Box.

**Important Notes**

**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 the instructions of this Quick Install document.
- 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 surfaces 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. Ensure you are using proper electrical connectors and connections.

The IR illuminator is cooled by natural convection, so it should be installed in such a way that the air can circulate freely around the housing.

Caution! The IR illuminator may become **hot** during operation.

**The IR illuminator emits high-intensity infrared light. It is, therefore, dangerous to look into the operating device from close distances (less than 2 m)!**

The IR illuminator is operated by low voltage direct current (up to 30 V DC). It is, therefore, forbidden to connect the illuminator directly to an AC power source.

**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**

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**Cleaning**

Clean with a damp cloth only. When an illuminator is mounted to a house facade and you clean the wall with a high-pressure cleaner, make sure that you do not direct the stream at the illuminator as this could damage the illuminator.

**Technical Specifications**

<b>Product Variants</b>	Horizontal/vertical angle of illumination: 120°, 90°, 60°, 45°, 30°, 15°
<b>Interfaces</b>	Ethernet (MxRJ45)
<b>Certifications</b>	EN 55015:2013 + A1:2015 EN 61547:2009 EN 61000-4-2:2009 EN 60950-1:2006 + A11:2009/A1:2010/A12:2011
<b>MTBF (Mean time between failures)</b>	80,000 hours
<b>Environment Sensors (Photosensor)</b>	When the ambient brightness drops below the threshold of 3 lux, the illuminator switches <b>on</b> automatically. When the ambient brightness exceeds the 3 lux threshold for more than 150 sec., the illuminator switches <b>off</b> automatically.

<b>Infrared Wavelength</b>	860 nm (semi-discrete)
<b>Power Supply</b>	Power over Ethernet IEEE 802.3at (PoE+)
<b>Power Consumption</b>	Max. 19 W (Standby mode: 0.8 W)
<b>Protection Class</b>	IP67
<b>Ambient Temperature</b>	-30 to 60°C / -22 to 140°F
<b>Dimensions/Weight</b>	H x W x D: 90 x 115 x 51 mm; weight: approx. 750 g

