Infrared Product Solution

Outdoor IP67 • Standard PoE+ • Beam angle 15° to 120°

MOBOTIX

MxIRLight

Increased Security, Even In Total Darkness.

Sometimes there may not be any illumination, particularly where 24-hour operations in remote outdoor areas are concerned. MOBOTIX now have an optimal solution for this intended use, too. It consists of a modern LED infrared illuminator and the proven M15/16 or M25/26 dual or single lens outdoor cameras. Both components are perfectly aligned with each other, and allow for reliable detection of license plates or object details, even in total darkness or extremely poor illumination.
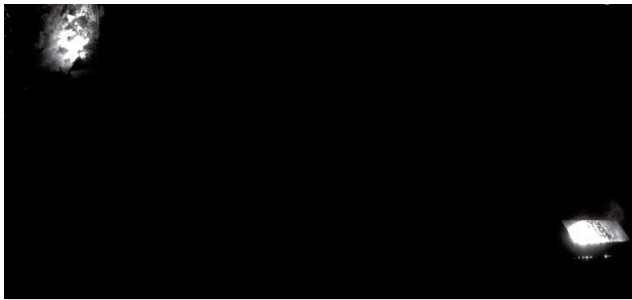
Live image (B/W night recording) without MxIRLight

Live image (B/W night recording) with MxIRLight

Reliable Security Over Long Range

Protection measures using conventional light can be quite a nuisance in densely populated areas or in production facilities. By using virtually invisible infrared light (860 nm), adjacent production facilities or objects in the vicinity are not interfered with or disturbed by glare.

Maximum Energy And Illumination Efficiency

A MOBOTIX IR illuminator only requires standard PoE+ as a power supply, and is equipped with fanless, compact aluminum housing, which also serves as an efficient cooling element. Thanks to its day/night recognition, the illuminator is switched off in the daytime to conserve energy. As soon as the ambient lighting drops below 3 lux, the infrared illuminator will turn on automatically. State-of-the-art OSRAM SMD diodes ensure maximum energy flow while maintaining optimal illumination.
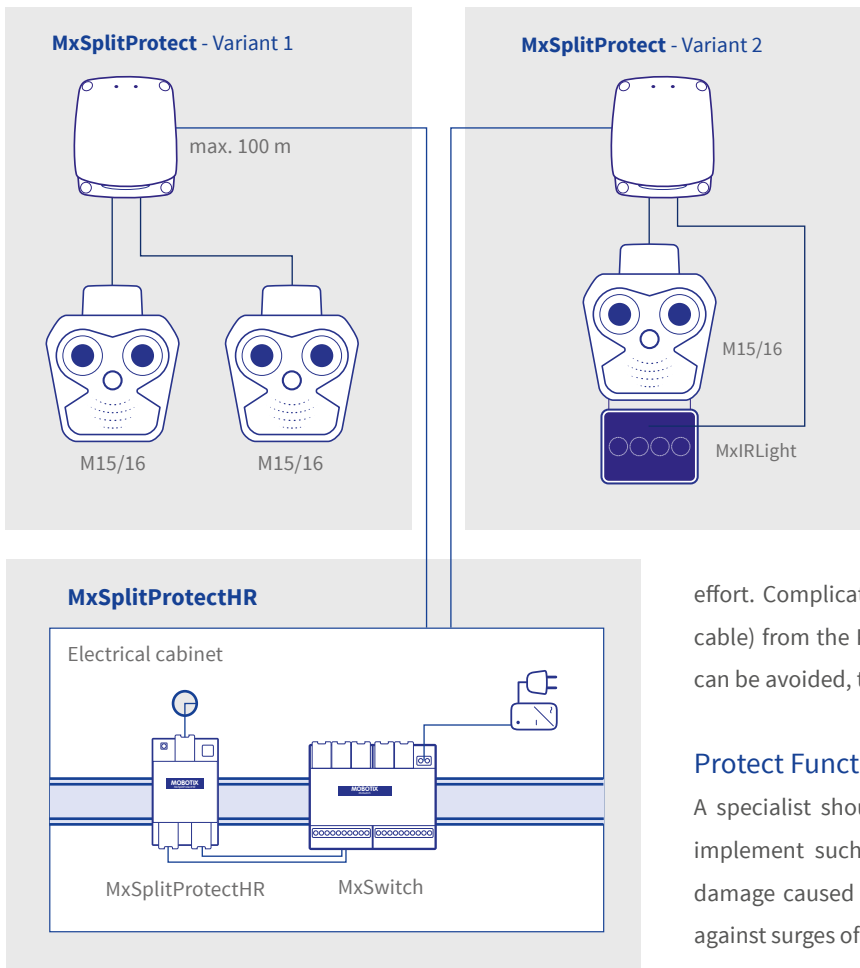
No Disturbing Influences In Images

MOBOTIX offers two installation sets with brackets in white aluminum as accessories. MxIRLight can be installed directly below the VarioFlex wall mount of the M15/16 and/or M25/26 camera series. This reduces disturbing influences on camera images, such as ones due to flying insects, to a minimum.

Robust And Weatherproof

The special tightness of the infrared housing (IP67) makes it ideal for outdoor use. At the same time, the built-in Goretex™ membrane equalizes any pressure differentials, such as the ones created in the case of temperature fluctuations.

Inexpensive Upgrade With MxSplitProtect

Thanks to the MxSplitProtect, an existing installation can be upgraded with an MxIRLight infrared illuminator, for example, without having to lay a lot of additional network cables. This way, up to two PoE(+) devices (IEEE 802.3af/at) can be operated over an existing network cable.

MxIRLight

IRLight mounting bracket M25/26

IRLight mounting bracket M15/16

MxSplitProtect

MxSplitProtect - Variant 1

max. 100 m

M15/16   M15/16

MxSplitProtect - Variant 2

M15/16

MxIRLight

MxSplitProtectHR

Electrical cabinet

MxSplitProtectHR   MxSwitch

Simple And Flexible Installation Outdoors

The MxSplitProtect enables users to connect a maximum of two PoE(+) devices (IEEE 802.3af/at) to the supplying switch using **only one Ethernet cable** - this connection is weatherproof and protected against power surges. In addition to new installations, existing video surveillance systems can also be expanded cost-efficiently. This means that a second IP camera or a PoE infrared illuminator can be added to an IP camera installed on a pole without much effort. Complicatedlaying of an additional network cable (CAT cable) from the PoE switch in the electrical cabinet to the pole can be avoided, thanks to the MxSplitProtect.

Protect Function

A specialist should establish a surge protection concept and implement such a system in order to reduce the danger of damage caused by power surges. The MxSplitProtect protects against surges of up to 4 kV on an Ethernet cable, but not against other surge types, such as direct lightning strikes (which exceed 4 kV!).

Split Function

The MxSplitProtect provides effective surge protection of up to 4 kV on the PoE network cable, in addition to two RJ45 sockets to connect the network devices via the MOBOTIX patch cable (MX-OPT-CBL-LAN), an LSA terminal connector to connect the 8-wire Ethernet installation cable and the terminal connector for the ground wire.

Savings Indoors, Too

As with the MxSplitProtect, when the MxSplitProtectHR is combined with the MxSwitch and the MOBOTIX split technology, it can be used to connect two PoE devices using an existing Ethernet cable, thus minimizing subsequent installation work as much as possible. Like the MxSwitch, the MxSplitProtectHR fits on a standard DIN rail in any electrical cabinet due to its small dimensions.

MxSplitProtect installation box ▶ MxSplitProtect with M25/26* ▶ MxSplitProtect with D25/26* ▶ MxSplitProtect with Q25/26*   MxSwitch   MxSplitProtectHR

*Cameras and respective housing covering are not included in the scope of delivery of the MxSplitProtect.

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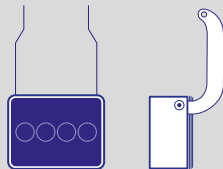## Six Weatherproof Outdoor Variants (IP67)

MOBOTIX offers six different powerful MxIRLight Illuminators featuring the same compact, solid aluminum housing (H x W x D: 90 x 115 x 51 mm). The difference between the illuminators lies in their horizontal illumination angle (120°, 90°, 60°, 45°, 30°, 15°) and their maximum range* (20 m, 35 m, 50 m, 80 m, 120 m, 160 m). The smaller the illumination angle, the narrower the lighting, yet the longer the reach. The illuminator must always be paired with the camera lens in use (B036 lens: 120° illuminator, B041: 90°, B061: 60°, B079: 45°, B119: 30°, B237: 15°).
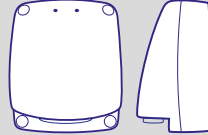
MxSplitProtect And MxSplitProtectHR

Instead of combining the MxSplitProtect and MxSplitProtectHR, it is also possible to combine two MxSplitProtectHRs (potentially using a customer protective device; for example, against dust, dirt and humidity in the room) in order to use the above-mentioned Split and Protect features indoors (0°C to 40°F/32°F to 104°F).

MOBOTIX products stand out on account of their high level of reliability. Before delivery, all outdoor cameras are subjected to a stress test for temperatures between -30°C and +60°C (-22°F and +140°F). They work without additional components - such as for heating or cooling - and with no moving parts (for example, auto iris), and are virtually maintenance-free.

An intelligent IP video package solution from MOBOTIX allows you to reduce total costs. The investment pays for itself after a short time and the free of charge software updates ensure it is a secure and smart investment.

MxIRLight illuminator

Horizontal illumination angle and maximum range:

120° 20 m	90° 35 m	60° 50 m	45° 80 m	30° 120 m	15° 160 m

Suitable for the camera lens:

B036	B041	B061	B079	B119	B237

MxSplitProtect | MxSplitProtectHR

Outdoor cameras

M15/16 AllroundDual	M25/26 Allround	Q25/26 Hemispheric	D25/26 Dome
Robust, for extreme conditions	Robust, for extreme conditions	Discreet, video analysis	Modular fixed dome

Retailer Information

MOBOTIX