



Robust. Most Advanced Design.

The M15 features two light-sensitive image sensors and two lenses that allow the camera to generate sharp color videos and high-contrast B&W videos, even in dark situations. The electronic switching between the day and night system is automatic, with no moving parts and is based on light conditions to ensure reliable operation at any temperature and in any weather.

Intelligent Dual-Lens Surveillance

Along with an integrated microphone, speaker and sensor to record the ambient temperature, the weatherproof housing (IP66) features automatic recording onto SD cards and secure video motion analysis (MxActivitySensor) with alarm messaging.



Fast, Cost-Effective Installation

The M15 ships as a complete kit, including combined wall & ceiling mounts and other mounting accessories. As with all MOBOTIX cameras, no additional software, housings or cooling/heating fans are required.



Robust Design

By design, the M15 is the most robust of the entire MOBOTIX range of products. With an IP66 weatherproof rating, it can withstand extreme temperatures and the harshest of conditions.



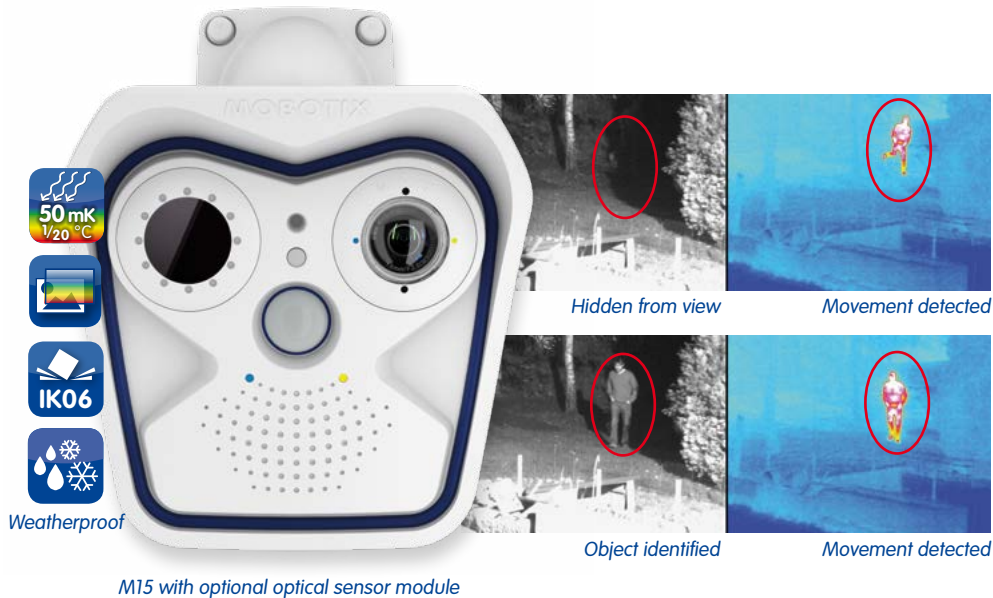
Fully Integrated Future-proof System

The all-in-one sensor modules can be swapped out within minutes, thanks to our new modular hardware platform. The integrated locking system ensures the sensor modules remain fixed in place.

Technical Data			
Lens Options	B016 to B500	Min. Light Sensitivity	Day Sensor: 0.1 lux at 1/60 sec Night Sensor: 0.02 lux at 1/60 sec
Image Sensors	1/1.8" CMOS (6MP) Day (Color) or Night (B&W)	Sensor Resolution	6MP: 3072x2048 pixels (Color/B&W)
Max. Frame Rate (MxPEG)	MEGA/HD: 30 fps, QXGA: 15 fps, 6MP: 8 fps, 2x 6MP: 4 fps	Compression	MxPEG, M-JPEG, JPEG, H.264 (SIP video)
DVR Recording	Internal: microSD Card External: PC/NAS (to 4 TB)	Audio	Integrated microphone & speaker, VoIP, intercom, sound recording
Operating Conditions	IP66, IK07, -30 to +60 °C	Internal Sensors	Temperature, PIR, microphone illumination, shock detector
Image Processing	MxActivitySensor, VMD, image correction, backlight	Software (free of charge)	MxManagementCenter, MOBOTIX App

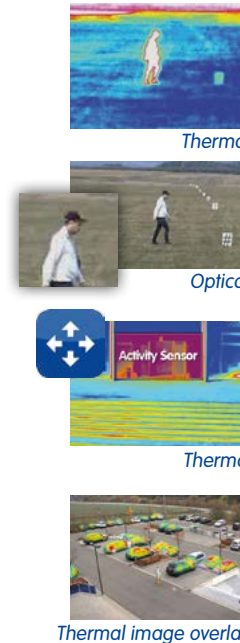
M15 – Reliable Even Under Extreme Conditions

The M15 camera is certified according to IP66 and has been successfully tested in a temperature range of -30 to +60 °C. In line with the proven MOBOTIX product strategy, the M15 model does not require additional cooling, heating or a special housing, and needs only five watts to be fully operational.



Thermal. Dual-Lens Camera. Detect and Identify.

The M15-Thermal is equipped with a pre-installed thermal image sensor that detects vehicles and people in total darkness with extremely high accuracy. A second optical sensor module can be fitted to provide positive object identification for complete lowlight security. Automatic temperature alarms can be generated automatically with thermal radiometry (TR), which is vital to detect potential fire or heat sources. MOBOTIX thermal dual camera systems offer also thermal overlay to localize hot spots in the visual image to prevent bigger damages and fire.



Thermal: Detect Movement around the Clock

High thermal resolution allows moving object detection up to 400 m in total darkness and in all conditions such as smoke, dust, fog. No lighting required.

Optical: Identify Objects

The M15-Thermal dual-lens design allows for a secondary optical lens to be fitted for clear identification of facial features, clothing, license plate numbers, vehicle color etc.

Privacy Zone – Identification and Recognition on Event

Combined with **MxActivitySensor**, the camera automatically switches from thermal sensor to optical sensor, when an object moves into the pre-defined privacy zone. This ensures the identification and recognition of moving objects only when MxActivitySensor triggers an alarm.

Thermal Overlay

Hotspots can be visualized very fast by overlaying the thermal image on the optical image which helps to identify dangerous heat or fire sources. This technology can be used very efficiently in fire protection to localize potential origins of danger.

Technical Data			
Lens Options	Thermal: L43, L65, L135 (factory-fitted, not interchangeable) Optical: B016 to B500	Min. Light Sensitivity	Day Sensor: 0.1 lux at 1/60 sec Night Sensor: 0.02 lux at 1/60 sec Thermal Sensor: 0 lux
Optical Image Sensor	1/1.8" CMOS (6MP) Day (Color) or Night (B&W)	Optical Sensor Resolution	6MP: 3072x2048 pixels (Color/B&W)
Thermal Image Sensor	Uncooled microbolometer temp. measuring range from -40 to +550 °C	Thermal Sensor Resolution	Thermal: 336x252 NETD typically 50 mK (1/20 °C) MTBF > 80,000 hours
Max. Frame Rate (MxPEG)	Thermal only: max. 9 fps Thermal and optical: 9 fps Optical only: 30 fps	Compression	MxPEG, M-JPEG, JPEG, H.264 (SIP video only)
DVR Recording	Internal: microSD Card External: PC/NAS (to 4 TB)	Audio	Integrated microphone & speaker, VoIP, intercom, sound recording
Operating Conditions	IP66, IK06, -30 to +60 °C	Internal Sensors	Temperature, PIR, microphone illumination, shock detector
Image Processing	MxActivitySensor, VMD, image correction, backlight	Software (free of charge)	MxManagementCenter, MOBOTIX App

M15-Thermal – Weatherproof Thermographic PoE Dual Camera

The modular design of the M15 platform provides the ultimate in flexibility. The M15-Thermal is factory-fitted with a thermal image sensor for accurate movement detection over long distances in all lighting conditions.

Movement Detection in All Conditions

The M15 and S15 thermal sensors detect objects in complete darkness and/or through fog and smoke. Primarily designed for accurate movement detection over large areas such as border protection and coastal monitoring. The M15-Thermal camera has a super low power consumption – max. 5.5 W.



Optical sensor modules are compatible with the M15 and S15.

Modular Imaging System.

Each sensor module consists of a lens, image sensor and microphone. Designed for the M15 and S15, the modules can be interchanged within minutes, at any time. The modules are weatherproof (IP66) and can be installed both indoors and outdoors. Choose between optical and thermal sensors.



Sensor Modules Technical Overview

Image Sensors	1/1.8" CMOS (6MP) Day (Color) or Night (B&W)	Sensor Resolution	6MP: 3072x2048 pixels (Color/B&W)
Operating Conditions	IP66, -30 to +60 °C	Audio	Microphone in each module (except thermal modules, BlockFlexMount, CS mount and B500)

Easily Exchangeable Sensor Modules

The MOBOTIX S15/M15 modular system allows the sensor modules to be changed within minutes. This way, the camera optics, such as the field of view or sensor type can be easily exchanged.

S15D Thermal Sensor Modules

 Thermal Sensor Module	 PTMount-Thermal	Thermal Sensor Modules (for flush mounting) MX-SM-Thermal-L43 MX-SM-Thermal-L65 MX-SM-Thermal-L135	PTMount-Thermal (with integrated thermal sensors) MX-SM-PTMount-Thermal-L43 MX-SM-PTMount-Thermal-L65 MX-SM-PTMount-Thermal-L135
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The thermal sensors can be retrofitted and easily connected to the S15 with a sensor cable (max. length 3 m). The sensor modules cannot be individually replaced in the PTMount-Thermal. For information on the M15-Thermal Thermographic Camera, see page 12.

S15D BlockFlexModule



Available MOBOTIX lens options:
B036, B041, B061,
B079, B119, B237, B500

CS-Mount BlockFlexModule



MX-BFM-CS-D (Day)
MX-BFM-CS-N (Night)
MX-BFM-CS-N-LPF (Night-LPF)
Recommended MOBOTIX lens:
CSVario MX-B045-100-CS

Dual Video Technology from MOBOTIX for Day and Night Recordings



Only MOBOTIX day-and-night cameras are able to offer a day and night sensor designed to ensure optimum image quality at all times. Both lenses capture the same area. The purely digital switchover between day and night sensors helps deliver higher image quality and guarantees a longer lifetime for the cameras.

 S15 DualMount
Discreet design

 M15
Extremely robust

 D15
Dome design

Need Assistance?

Please contact Suretek Pty Ltd for wholesale pricing and free expert advice on the entire MOBOTIX range. Suretek Pty Ltd is an authorised MOBOTIX Distributor and Solutions Partner.

W: www.suretek.com.au • T: 1300 65 44 33 • ipvideo@suretek.com.au