



MxIRLight Series

PoE-powered high-caliber infrared illuminator for
MOBOTIX cameras with B&W sensor

Technical Specification

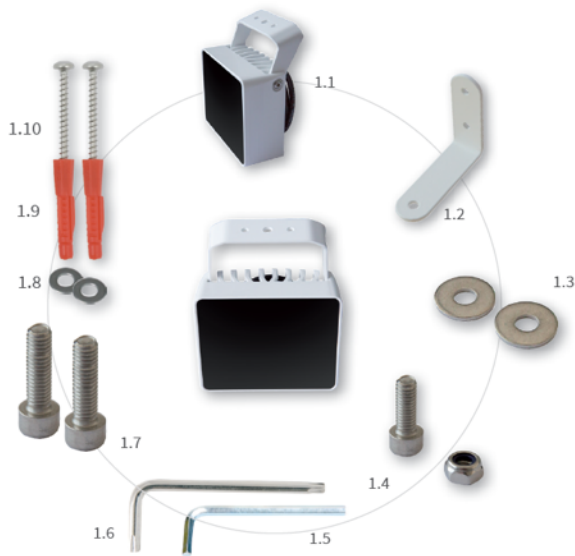
MOBOTIX MxIRLight Infrared LED Illuminator



MxIRLight: Technical Data	
Product name	MxIRLight Infrared LED illuminators
MOBOTIX order codes and EAN (6 model variants)	Mx-A-IRA-120 (EAN: 4047438030342); Mx-A-IRA-90 (EAN: 4047438030359); Mx-A-IRA-60 (EAN: 4047438030366); Mx-A-IRA-45 (EAN: 4047438030373); Mx-A-IRA-30 (EAN: 4047438030380); Mx-A-IRA-15 (EAN: 4047438030397)
Supported video sources	All (MOBOTIX) cameras and doorstations with black & white sensor
Ambient temperature range	-30 to 60°C (-22 to 140°F)
IP Class	IP67 (dust tight; water tight when temporarily immersed in water up to a depth of 1 m)
Installation notes	This product must not be used in locations exposed to the dangers of explosion. Risk Group 2: The IR illuminator emits High-intensity infrared light. It is, therefore, dangerous to look into the operating device from close distances (less than 2m).
Dimensions (height x width x depth)	90 x 115 x 51 mm
Weight (without packaging)	750 g
Anschlusskabel (Länge: 90 cm)	RJ45-Stecker, auch passend für MOBOTIX RJ45-Anschlussbuchsen (zum wetterfesten Anschluss an MxSplitProtect oder MX-Overvoltage-Protection-Box)
Power supply	PoE+ IEEE 802.3at, via ethernet cable and standard PoE+ injector or switch (mode A or B, e.g., MxSwitch)
Power consumption	17 W to max 19 W (standby mode: approx 0.8 W)
Automatic switch-on/off via photosensor	- Switch-on immediately, when ambient light level drops below 3 lux; - Switch-off, when ambient light level exceeds 3 lux for more than 150 seconds
IR wavelength	860 nm (semi-discrete)
IR illumination angles (horizontal x vertical)	Depending on variant: 120° x 120°; 90° x 90°; 60° x 60°; 45° x 45°; 30° x 30°; 15° x 15°
IR illumination range	Depending on variant: 120°: 20 m, 90°: 35 m, 60°: 50 m, 45°: 80 m, 30°: 120 m, 15°: 160 m
IR emitter	4x High Power SMD LED
Housing	Aluminium, front with infrared-permeable protective glass
Certifications	EN 60950-1:2006 + A11:2009/A1:2010/A12:2011 EN 62471:2009 EN 55015:2013 EN 61547:2009 EN 61000-4-2:2009 AS/ NZS CISPR 15:2013
MTBF	> 80,000 hours
Delivery	Infrared Illuminator with aluminium housing and 0.9 m long connection cable with MOBOTIX RJ45 plug, mounting materials (brackets for wall, ceiling and floor mount screws, dowels, washers, Allen screws M6x20 for the optional MOBOTIX mounting brackets, Torx key, Allen wrench)
Detailed technical documentation	www.mobotix.com > Support > Manuals
Online version of this document	www.mobotix.com > Support > Spec Sheets
Manufacturer's warranty	2 years

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MOBOTIX MxIRLight Infrared LED Illuminator



Item	Count	Part Name
1.1	1	Infrared illuminator in aluminium 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

MxIRLight Infrared Illuminators: Ordering Information

Order Number	EAN	Description
Mx-A-IRA-120	4047438030342	Infrared illuminator with 120° illumination angle (horizontal and vertical), aluminum housing • 860 nm • IP67 • Range: up to 20 m / 22 yards • PoE+ power supply via network cable (IEEE 802.3at), 19 W (max.) power consumption • Photosensor for automatic switching on/off (threshold value: 3 lux, delay for switching off: 150 s) • Including standard mount for installing on wall and ceiling, screws, preassembled 0.9 m patch cable with RJ45 connector and MOBOTIX special sealing ring • Optional accessories: mounting brackets for M1x/M2x (Mx-M-IRA-ML/Mx-M-IRA-M) • Housing color: white
Mx-A-IRA-90	4047438030359	Infrared illuminator with 90° illumination angle (horizontal and vertical), aluminum housing • 860 nm • IP67 • Range: up to 35 m / 39 yards
Mx-A-IRA-60	4047438030366	Infrared illuminator with 60° illumination angle (horizontal and vertical), aluminum housing • 860 nm • IP67 • Range: up to 50 m / 55 yards
Mx-A-IRA-45	4047438030373	Infrared illuminator with 45° illumination angle, (horizontal and vertical) aluminum housing • 860 nm • IP67 • Range: up to 80 m / 88 yards
Mx-A-IRA-30	4047438030380	Infrared illuminator with 30° illumination angle (horizontal and vertical), aluminum housing • 860 nm • IP67 • Range: up to 120 m / 132 yards
Mx-A-IRA-15	4047438030397	Infrared illuminator with 15° illumination angle (horizontal and vertical), aluminum housing • 860 nm • IP67 • Range: up to 160 m / 175 yards

MxIRLight Mounting Brackets For M1x And M2x: Ordering Information

Order Number	EAN	Description
Mx-M-IRA-ML	4047438030403	Mounting brackets for the MOBOTIX M15/M16 AllroundDual cameras • Accessories for the MxIRLight Infrared Illuminator • Material: aluminum • Color: white
Mx-M-IRA-M	4047438030410	Mounting brackets for the MOBOTIX M25/M26 Allround cameras • Accessories for the MxIRLight Infrared Illuminator • Material: aluminum • Color: white