

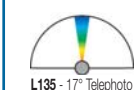
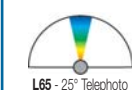
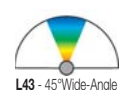


Thermal M15 / S15

The M15D and S15D thermal sensors detect objects in complete darkness even through fog and smoke. Primarily designed for accurate movement detection over large areas such as border protection and coastal monitoring. The M15D-Thermal camera has a super low power consumption of maximum 5.5 W

	M15D Thermal	S15D Thermal
Models	Thermal-43 / Thermal-65 / Thermal-135	
Lens Options	Thermal - L43 / L65 / L135 (prefitted, not interchangeable) Optical - L12 to L160*	Thermal - L43 / L65 / L135 (interchangeable sensors) Optical - L12 to L160*
Sensitivity	Thermal - NETD typ. 50mK, <79mK, IR range 7.5 to 13.5 μ m Detection Temp range -40°C to +550°C 5 MP - Colour: 0.25 lux (t=1/60 s), 0.013 lux (t=1/1 s), B/W: 0.05 lux (t=1/60 s), 0.0025 lux (t=1/1 s) 6 MP - Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s), B/W: 0.02 lux (t=1/60 s), 0.0001 lux (t=1/1 s)	Thermal - NETD typ. 50mK, <79mK, IR range 7.5 to 13.5 μ m Detection Temp range -40°C to +550°C 5 MP - Colour: 0.25 lux (t=1/60 s), 0.013 lux (t=1/1 s), B/W: 0.05 lux (t=1/60 s), 0.0025 lux (t=1/1 s) 6 MP - Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s), B/W: 0.02 lux (t=1/60 s), 0.0001 lux (t=1/1 s)
Sensors	Thermal - uncooled microbolometer 5 MP - 1/2.5" CMOS 6 MP - 1/1.8" CMOS	Thermal - uncooled microbolometer 5 MP - 1/2.5" CMOS 6 MP - 1/1.8" CMOS
Maximum Image Size	Thermal - 336 x 252 pixels 5 MP - 2592 x 1944 pixels 6 MP - 3072 x 2048 pixels	Thermal - 336 x 252 pixels 5 MP - 2592 x 1944 pixels 6 MP - 3072 x 2048 pixels
Max. Frame Rate (MxPEG)	Thermal - max. 9 fps MEGA: 30 fps / QXGA: 20 fps / 6MEGA: 8 fps	Thermal - max. 9 fps MEGA: 30 fps / QXGA: 20 fps / 6MEGA: 8 fps
Image Compression	MxPEG / M-JPEG / JPG / H.264 (SIP Video only)	
Internal DVR	MicroSD slot (camera internal video recording up to 128 GB; 4 GB card pre-installed)	
External Storage	Up to 4TB directly on PC/Server/NAS without additional recording software	
Software (free issue)	Control room software MxControlCentre / MxManagement Centre / MOBOTIX App for iOS devices / Web Browser	
Image Processing	Backlight compensation / Automatic white balance / Image distortion correction / Motion detection / MxActivitySensor	
Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom / Full image recording in the background	
Alarm/Events	Triggering of events by integrated multiple-window motion detection / External signal / Temperature sensor / PIR / Microphone / Illumination / Shock detection / Notification over email / FTP / IP-Telephony etc	
Audio	VoIP, mic. and Speaker, Intercom Sound recording	Microphone in each module (except Thermal modules) / via SpeakerMount
Interfaces	Ethernet 10/100 / IPv4/IPv6 / MiniUSB / MxBus	
Security	User-/Group Management / HTTPS/SSL / IP address filter / IEEE 802.1x / Intrusion detection / digital image signature	
Certificates	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)	
Power Supply	Power over Ethernet (PoE acc. IEEE 802.3af), PoE class variable (2/3) according to operating mode; power consumption typ. 5 W thermal , 5.5 W with optical	
Operating conditions	IP66 (DIN EN 60529), -30°C to +60°C	IP66 (DIN EN 60529), -30°C to +60°C
Dimensions & weight	(H)244 x (W)158 x (D)239mm / approx. 1,210 g	(H)130 x (W)100 x (D)33mm approx. 500 g (without sensor modules and cables)

THERMAL



*Optical lens available in 5MP and 6MP configuration, angles as per respective units, refer to model datasheet for details