

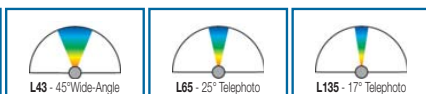


## Thermal M15 / S15

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
<b>Models</b>	Thermal-43 / Thermal-65 / Thermal-135	
<b>Lens Options</b>	Thermal - L43 / L65 / L135 (prefitted, not interchangeable) Optical - L12 to L160*	Thermal - L43 / L65 / L135 (interchangeable sensors) Optical - L12 to L160*
<b>Sensitivity</b>	Thermal - NETD typ. 50mK, <79mK, IR range 7.5 to 13.5 μm 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 μm 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)
<b>Sensors</b>	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
<b>Maximum Image Size</b>	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
<b>Max. Frame Rate (MxPEG)</b>	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
<b>Image Compression</b>	MxPEG / M-JPEG / JPG / H.264 (SIP Video only)	
<b>Internal DVR</b>	MicroSD slot (camera internal video recording up to 128 GB; 4 GB card pre-installed)	
<b>External Storage</b>	Up to 4TB directly on PC/Server/NAS without additional recording software	
<b>Software (free issue)</b>	Control room software MxControlCentre / MxManagement Centre / MOBOTIX App for iOS devices / Web Browser	
<b>Image Processing</b>	Backlight compensation / Automatic white balance / Image distortion correction / Motion detection / MxActivitySensor	
<b>Virtual PTZ</b>	Digital Pan/Tilt/Zoom, continuous 8x zoom / Full image recording in the background	
<b>Alarm/Events</b>	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	
<b>Audio</b>	VoIP, mic. and Speaker, Intercom Sound recording	Microphone in each module (except Thermal modules) / via SpeakerMount
<b>Interfaces</b>	Ethernet 10/100 / IPv4/IPv6 / MiniUSB / MxBus	
<b>Security</b>	User-/Group Management / HTTPS/SSL / IP address filter / IEEE 802.1x / Intrusion detection / digital image signature	
<b>Certificates</b>	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)	
<b>Power Supply</b>	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	
<b>Operating conditions</b>	IP66 (DIN EN 60529), -30°C to +60°C	IP66 (DIN EN 60529), -30°C to +60°C
<b>Dimensions &amp; weight</b>	(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