



REMOTE
GUARD
COMPLIANT

IK08
Weatherproof

Camera image of Mount Everest, recorded by the highest webcam in the world (5675 m altitude).

Tough. For Any Environment.

Designed and engineered to withstand the most demanding of conditions, featuring high tolerance and an IP66 rating. The M25 features the 6MP technology and is highly adaptive as to where it can be deployed, thanks to the wide choice of available lenses.



Fast, Cost-Effective Installation

The M25 ships as a complete kit, including wall & ceiling mounts and other mounting accessories. As with all MOBOTIX cameras, no additional software, housings or cooling/heating fans required.



Tough Design

The M25 is built tough, with an IP66 weatherproof rating, it can withstand extreme temperatures and the harshest of conditions. The fibreglass re-inforced outer housing is designed for long life.



2-Way Audio

Like the other MOBOTIX cameras, the M25 has built-in VoIP functionality for 2-way lip synchronous audio/video via IP phones and mobile devices.



Powerful 270 mm Telephoto Capture

It is possible to identify license plates and people even at distances of more than 70 meters/230 ft. thanks to the B500 lens that can be used with the M25 and the high-resolution 6MP sensor.

Technical Data			
Lens Options	B016, B036 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	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, IK08, -30 to +50 °C	Internal Sensors	Temperature, microphone, illumination, shock detector
Image Processing	MxActivitySensor, VMD, image correction, backlight, MxAnalytics	Software (free of charge)	MxManagementCenter, MOBOTIX App

M25 – The Robust Allrounder

The cost-effective and professional single-lens camera solution with exchangeable lenses for indoor and outdoor use. The lenses can be freely selected: from Hemispheric through Super Wide Angle to Telephoto lens, CSVario adjustable lens and Long Pass Filter for license plate capture.

Lens Units with Long Pass Filters (LPF)

The Long Pass Filter (LPF) is part of a special black & white lens that, together with an infrared lamp, allows for optimal license plate recognition in all lighting conditions.



LPF



	B016 Fisheye	B036 Ultra Wide Lens	B041 Super Wide Lens	B061 Wide Lens
Image angle (horizontal)				
Focal length	1.6 mm	3.6 mm	4.1 mm	6.1 mm
35 mm equivalent	10 mm	20 mm	22 mm	32 mm
Aperture f/	2.0	1.8	1.8	1.8
Image angle (horiz. x vertical)	180° x 180°	103° x 77°	90° x 67°	60° x 45°
Image width/height (dist. 1 m)		2.5 / 1.6 m	2.0 / 1.3 m	1.2 / 0.8 m
Image width/height (dist. 10 m)		25.1 / 15.9 m	20.0 / 13.2 m	11.5 / 8.3 m
Image width/height (dist. 50 m)		125.7 / 79.5 m	100.0 / 66.2 m	57.7 / 41.4 m

Maximum distances in meters @ 5MP (2592 x 1944 Pixel)

Monitor (1 px $\hat{=}$ 80 mm)	13.7 m	115.3 m	132.0 m	208.0 m
Detect (1 px $\hat{=}$ 40 mm)	6.9 m	57.6 m	66.0 m	104.0 m
Observe (1 px $\hat{=}$ 16 mm)	2.7 m	23.1 m	26.4 m	41.6 m
Recognize (1 px $\hat{=}$ 8 mm)	1.4 m	11.5 m	13.2 m	20.8 m
Identify (1 px $\hat{=}$ 4 mm)	0.7 m	5.8 m	6.6 m	10.4 m
Inspect (1 px $\hat{=}$ 1 mm)	0.2 m	1.4 m	1.6 m	2.6 m



	B079 Standard	B119 Tele	B237 Distant Tele	B500 Super Tele	B045-100-CS CS Vario
Image angle (horizontal)					
Focal length	7.9 mm	11.9 mm	23.7 mm	50 mm	4.5 - 10 mm
35 mm equivalent	43 mm	65 mm	135 mm	270 mm	24 - 54 mm
Aperture f/	1.8	1.8	1.8	2.5	1.6 - 2.3
Image angle (horiz. x vertical)	45° x 34°	31° x 23°	15° x 11°	8° x 6°	39°-89° x 29°-65°
Image width/height (dist. 1 m)	0.8 / 0.6 m	0.6 / 0.4 m	0.3 / 0.2 m	0.1 / 0.1 m	
Image width/height (dist. 10 m)	8.3 / 6.1 m	5.5 / 4.1 m	2.6 / 1.9 m	1.4 / 1.0 m	
Image width/height (dist. 50 m)	41.4 / 30.6 m	27.7 / 20.3 m	13.2 / 9.6 m	7.0 / 5.2 m	

Maximum distances in meters @ 5MP (2592 x 1944 Pixel)

	290.2 m	441.0 m	888.8 m	1,781.0 m	
	145.1 m	220.5 m	444.4 m	890.5 m	
	58.0 m	88.2 m	177.8 m	356.2 m	
	29.0 m	44.1 m	88.9 m	178.1 m	
	14.5 m	22.0 m	44.4 m	89.0 m	
	3.6 m	5.5 m	11.1 m	22.3 m	

DIN EN 50132-7

As specified in the DIN EN 50132-7 standard, there are six different levels of quality for video surveillance. "Inspect" is the level with the highest demands on image quality, whereas "Monitor" is the one with the lowest. These can be used to determine the maximum distance between camera and surveillance area, the required minimum resolution, and the most suitable camera lens for optimal coverage of the surveillance area.

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.

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