

1.2.2 Camera Variants – Lenses, Hardware, Image Formats

Camera Model				
	D15Di-IT (Day)	D15Di-IT-Night	D15Di-Sec (Day)	
Lenses, Sensors				
Hemispheric 12 mm	–	–	–	
Super Wide-Angle 25 mm	L25	L25	L25	
Wide-Angle 38 mm	L38	L38	L38	
Wide-Angle 51 mm	L51	L51	L51	
Tele 76 mm	L76	L76	L76	
Tele 160 mm	L160	L160	L160	
CSVario 24–54 mm	–	–	–	
Image sensor with individual exposure zones	Color, color	B/W, B/W	Color, color	
Sensor sensitivity in lux at 1/60 s / 1 s	0.25 / 0.013	0.05 / 0.0025	0.25 / 0.013	
Hardware Features				
Protection classes	IP54/IP65*/IP66**/IK10**			
Temp. internal DVR (MB)	32	32	64	
Internal DVR (MicroSD, up to 64 GB)	4 GB incl.	4 GB incl.	4 GB incl.	
Microphone/speaker	X/X	X/X	X/X	
Passive infrared sensor (PIR)	X	X	X	
Integrated temperature sensor	X	X	X	
Shock detector	X	X	X	
Power consumption in watts (typical)	< 5	< 5	< 5	
Variable PoE class	2 – 3	2 – 3	2 – 3	
Image Formats, Frame Rates and Image Storage				
Max. resolution (per sensor)	HD (1280x720)	HD (1280x720)	3MEGA (2048x1536)	
Max. frame rate (MxPEG, max. resolution)	30 B/s	30 B/s	20 fps	
CIF images with 4 GB MicroSD DVR	250,000	250,000	250,000	
VGA images with 4 GB MicroSD DVR	125,000	125,000	125,000	
MEGA images with 4 GB MicroSD DVR	–	–	40,000	
3MEGA images with 4 GB MicroSD DVR	–	–	20,000	

*With Outdoor Wall Mount

**With Vandalism Set

			
D15Di-Sec-Night	D15Di-Sec-Pano	D15Di-Sec-Night-Pano	D15Di-Sec-DNIGHT-Fix
Lenses, Sensors			
–	–	–	–
L25	L25	L25	L25
L38	–	–	L38
L51	–	–	L51
L76	–	–	L76
L160	–	–	L160
–	–	–	–
B/W, B/W	Color, color	B/W, B/W	Color, B/W
0.05/0.0025	0.25/0.013	0.05/0.0025	0.25/0.013 / 0.05/0.0025
Hardware Features			
IP54/IP65*/IP66**/IK10**	IP54/IP65*/IP66**		
64	64	64	64
4 GB incl.	4 GB incl.	4 GB incl.	4 GB incl.
X/X	X/X	X/X	X/X
X	X	X	X
X	X	X	X
X	X	X	X
< 5	< 5	< 5	< 5
2 – 3	2 – 3	2 – 3	2 – 3
Image Formats, Frame Rates and Image Storage			
3MEGA (2048x1536)	3MEGA (2048x1536)	3MEGA (2048x1536)	3MEGA (2048x1536)
20 fps	8 fps	8 fps	20 fps
250,000	250,000	250,000	250,000
125,000	125,000	125,000	125,000
40,000	40,000	40,000	40,000
20,000	20,000	20,000	20,000

*With Outdoor
Wall Mount

**With
Vandalism Set

1.2.3 Camera Variants – Software Features

Camera Model				
	D15Di-IT (Day)	D15Di-IT-Night	D15Di-Sec (Day)	
General Features				
Digital zoom (continuous) with panning	X	X	X	
Motion JPEG/MxPEG/H264 codecs	X/X/–	X/X/–	X/X/X	
Programmable exposure ones	X	X	X	
Snapshot rec. (pre-/post-alarm images)	10	10	50	
Terabyte ring buffer storage (internal/network)	X	X	X	
Continuous rec. with sound (0.2 to 30 fps)	X	X	X	
Event recording with sound	X	X	X	
Time and event control	X	X	X	
Weekly schedules/holidays	X	X	X	
Web functionality (FTP, email)	X	X	X	
Playback/Quad und MultiView, bidirectional sound in browser	X	X	X	
Logo generator, animated	X	X	X	
Flexible event logic	–	–	X	
Master/Slave arming	–	–	X	
Several scheduled privacy zones	–	–	X	
Customized voice messages	X	X	X	
VoIP telephony (audio/video, alert)	X	X	X	
Remote alarm notification (network msg.)	X	X	X	
Signal inputs/outputs, RS232	Via MX-232-IO-Box			
Programming interface/HTTP API	X	X	X	
Security features (HTTPS/SSL, IP-based access control, IEEE 802.1X network authentication)	X	X	X	
Video Analysis				
Video Motion detector	X	X	X	
MxAnalytics	–	–	–	
MxActivitySensor	–	–	X	
Video Management Software				
MxEasy, MxCC	X	X	X	
MOBOTIX App	X	X	X	

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download from
www.mobotix.com
or App Store

1.2.4 Technical Data

Technical Data D15D	
Model variants (fitted with day or night sensors)	MX-D15Di-IT, MX-D15Di-SEC (day or night), MX-D15Di-SEC-DNIGHT-FIX (day and night), MX-D15Di-SEC-Pano (Day) MX-D15Di-SEC-NIGHT-Pano (night)
Lens options	25 to 160 mm (compared to 35 mm camera), horizontal angle 82° to 13°
Sensitivity	Color sensor: 0.25 lux at 1/60 s, 0.013 lux at 1 s Black and white sensor: 0.05 lux at 1/60 s, 0.0025 lux at 1 s
Image sensors	Two 1/2.5" CMOS, 5 megapixels, progressive scan
Max. image resolution D15Di-IT (dual image)	Color: 2560x720 (dual HD) Black and white: 2560x720 (dual HD)
Max. image resolution D15Di-SEC (dual image)	Color: 4096x1536 (6MEGA) Black and white: 4096x1536 (6MEGA)
Image formats (per sensor)	Selectable image formats, for example, 2048x1536 (MEGA), 1920x1080 (full HD), 1280x960 (MEGA), 1280x720 (HD), 1024x768, 800x600, 768x576 (D1-PAL), 704x576 (TV-PAL), 640x480, 384x288, 320x240, 160x120
Max. frame rate (M-JPEG) (live/recording)	VGA: 30 fps, MEGA: 10 fps, 3MEGA: 4 fps, 6MEGA: 2 fps
Max. frame rate (MxPEG) (live and recording including sound)	VGA: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps, 6MEGA: 8 fps
Image compression	MxPEG, M-JPEG, JPEG, H.264
Internal DVR	MicroSD slot including 4 GB, max. 64 GB
External video ring buffer	Directly on NAS and computer/server without additional recording software
Software (included)	MxEasy video management software, MxControlCenter control center software, MOBOTIX App for iOS devices, iOS 5.0 and higher
Image processing	Backlight compensation, automatic white balance, image distortion correction, panorama correction, Video Motion detection, MxActivitySensor,
Virtual PTZ	Digital pan/tilt/zoom, continuous 8X zoom
Alarm/events	Video Motion detection, MxActivitySensor, external signal, temperature sensor, PIR, microphone, shock detector, notification over e-mail, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Microphone and speaker	Integrated microphone and speaker
Sound	Lip-synchronous audio, two-way communication, sound recording

Functionality depends on camera variant
(see Section 1.2.3,
«Camera Variants –
Software Features»!)

Technical Data D15D	
Interfaces	10/100 Ethernet, MiniUSB, MxBus; inputs and outputs and RS232 via accessories
Video telephony	VoIP/SIP, two-way communication, remote controlling with key code, event notification
Security	User/group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Certifications	EMV (EN 55022, CISPR 22, EN 55024, EN 61000-6-1/2, FCC Part15B, CFR 47, AS/NZS 3548)
Power supply	Year-round Power-over-Ethernet (IEEE 802.3af); variable PoE class, approx. 5 W
Protection classes	IP54 without wall mount IP65 with wall mount IP66 and IK10 with Vandalism Set
Temperature range	-30 to +60°C/-22 to +140°F
Dimensions/weight	Diam. x H: 205 x 108 mm (D15D), 205 x 125 mm (D15D-Pano, D15D-Sec-DNight-Fix); weight: approx. 750 g (including lenses)
Delivered parts	Housing (high-resistance composite, PBT-PC), white, shock-resistant dome (transparent), free choice of lens, mounting parts, Allen wrench, 50 cm patch cable, manual, software, 4 GB MicroSD card

