

MOBOTIX i25 Hemispheric Indoor Camera



Wall-mounted i25 captures 180° field of view – no blind spots.

Indoors. Compact. Allround Secure.

This compact wall-mountable Hemispheric camera offers a super-wide allround panorama view in high resolution. Easily replacing four standard CCTV cameras, just one i25 captures an entire room, wall-to-wall. The newly-designed wall mount form factor blends in with any environment.

MOBOTIX Advantages

Extremely high-sensitive 5-megapixel sensors • All relevant events are automatically saved • Highly secure as motion sensors detect even the smallest movements and reduce the number of false alarms • Cost-effective as fewer cameras are needed thanks to HiRes panorama view • Maintenance-free with no heaters, fans or moving parts • Can be expanded thanks to encrypted two-wire bus (MxBus) • Synchronization via GPS satellite means data available in real time • No licensing or software fees, free-of-charge updates



Lens tilted down 15 deg.

Blends In

The i25 can be mounted onto any surface on a wall. The small form factor blends in with any environment. Fast installation with optional in-wall mounting kit.



Captures An Entire Room

The wall-mountable i25 captures an entire room with stunning wall-to-wall view, without any blind spots. Virtual PTZ on the live and recorded images is performed by the camera.



Image Correction Built-in

All of the image correction in the MOBOTIX Hemispheric cameras is handled by the camera's on board imaging analysis software. No additional PC or software required.



Day Or Night Capture

Available in both Day (color) and Night (B&W) models, which caters to the most challenging lighting conditions and a wide range of applications.

i25 Technical Overview – Excerpt

Models	Sec-D (Day lens – color), Sec-N (Night lens – B&W)	Lens Options	L12 (180° x 160°)
Image Sensors	1/2.5" CMOS, 5 megapixels, progressive scan	Sensor Resolution	Color: 2592x1944 pixels Black & White: 2592x1944 pixels
Max. Frame Rate (MxPEG)	HD (1280x720): 30 fps, MEGA: 30 fps, QXGA: 15 fps	Compression	MxPEG, M-JPEG, JPEG, H.264 (SIP video only)
DVR Recording	Internal: SD Card to 64 GB* External: PC/NAS, to 4 TB	Audio	VoIP, sound recording using integrated microphone
Operating Conditions	IP30, 0 to +40 °C/+32 to +104 °F	Internal Sensors	Temperature, microphone, illumination, shock detector
Image Processing	MxActivitySensor, Video Motion Detection, image correction, backlight	Software (free of charge)	MxMultiViewer, MxControlCenter, MxEasy, MOBOTIX App



i25 – Technical Specifications



Security-Vision-Systems

MOBOTIX

Camera Model	MX-i25-Day	MX-i25-Night
Lenses, Sensors		
Hemispheric 12 mm (180° x 160°)	L12	L12
Super Wide-Angle 25 mm (82° x 61°)	–	–
Wide-Angle 38 mm (55° x 41°)	–	–
Wide-Angle 51 mm (40° x 30°)	–	–
Tele 76 mm (27° x 20°)	–	–
Tele 160 mm (13° x 10°)	–	–
Tele 320 mm (7° x 5°)	–	–
CSVario 28 – 63 mm (28° – 58°)	–	–
Image sensor with individual exposure zones	Color	B/W
Sensor sensitivity in lux at 1/60 s /1 s	0,25/0,013	0,005/0,0025
Image sensor resolution (color or B/W sensor)	5MP (2592 x 1944)	5MP (2592 x 1944)

Hardware Functions		
Protection class	IP30 (indoors)	IP30 (indoors)
Temperature range 0 to +40°C/32 to +104°F	•	•
Temporary internal DVR	64 MB	64 MB
Internal DVR, ex works	4 GB (MicroSD)	4 GB (MicroSD)
Microphone/speaker	•/•	•/•
Passive infrared sensor (PIR)	–	–
Integrated temperature sensor	•	•
Shock detector	•	•
Power consumption (typical)	< 4,5 watts	< 4,5 watts
Variable PoE class (factory default: 3)	2 or 3	2 or 3

Image Formats, Frame Rates, Image Storage		
Maximum image format (per sensor)	5MP (2592 x 1944)	5MP (2592 x 1944)
Maximum frame rate (MxPEG, max. resolution)	10 fps (5MP)	10 fps (5MP)
CIF images with 4 GB MicroSD DVR	250,000	250,000
VGA images with 4 GB MicroSD DVR	125,000	125,000
HD images with 4 GB MicroSD DVR	40,000	40,000
QXGA images with 4 GB MicroSD DVR	20,000	20,000

- available ex works
- not available



i25 – Technical Specifications



Security-Vision-Systems

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Camera Model	MX-i25-Day	MX-i25-Night
General Functions		
Digital zoom (continuous) with panning	•	•
Codecs: Motion-JPEG/MxPEG/H.264 for SIP	•/•/•	•/•/•
Programmable exposure zones	•	•
Snapshot recording (pre/post-alarm images)	50	50
Terabyte ring buffer storage (internal/network)	•	•
Continuous recording with sound (0.2 to 30 fps)	•	•
Event recording with sound	•	•
Time and event control/flexible event logic	•/•	•/•
Weekly schedules/holidays	•	•
Web functionality (FTP, email)	•	•
Playback/QuadView and MultiView	•/•	•/•
Bidirectional sound in browser	–	–
Logo generator, animated	•	•
Master/Slave arming	•	•
Several scheduled privacy zones	•	•
Customized voice messages	•	•
VoIP telephony (audio/video, alert)	–	–
Remote alarm notification (network message)	•	•
Signal inputs/outputs and RS232 via	MX-232-IO-Box	MX-232-IO-Box
Programming interface (HTTP API)	•	•
Security Features (HTTPS/S/L, IP-based access control, IEEE 802.1X network authentication)	•	•
Video Analysis		
Video motion detector	•	•
MxAnalytics	–	–
MxActivitySensor	•	•
Video Management Software		
MxEasy (Windows/Mac OS X)	•	•
MxControlCenter (Windows)	•	•
MOBOTIX App (iOS)	•	•



Compact Hemispheric Camera for Indoor Applications



- Recording on internal microSD card (SDXC)
- Sound recording using integrated microphone
- Speaker available as accessory
- Sensors for temperature, illumination, shock detection integrated

MOBOTIX 5MP camera for unobtrusive indoor applications, available as Day or Night version

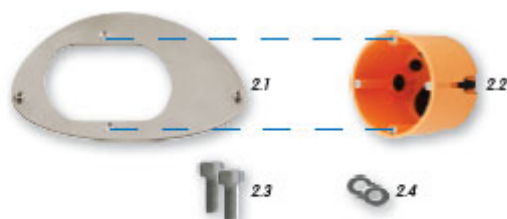
More information available under www.mobotix.com > Products > i25

i25 Standard Delivery



Item	Count	Part Name
1.1	1	Housing (installed)
1.2	1	Back cover (installed)
1.3	1	Main board with lens L12 (installed)
1.4	2	Bayonet catch, blue (installed)
1.5	1	USB plug, blue (installed)
1.6	1	Ethernet plug, blue (installed)
1.7	1	Ethernet patch cable, 50 cm/19.7 in, black
1.8	1	Wall sealing
1.9	2	Screw plug, white
1.10	2	Washer Ø 4.3 mm, stainless steel
1.11	2	Wood screw 4x40 mm, stainless steel
1.12	2	Screw anchor S6
1.13	1	MicroSD card (installed)
1.14	1	Allen wrench 2.5 mm

Standard Delivery i25 Cavity Wall Installation Set (Accessory)



Item	Count	Part Name
2.1	1	Mounting plate, stainless steel
2.2	1	Cavity wall socket
2.3	2	Allen screw M3x8 mm, stainless steel
2.4	2	Washer Ø 3.2 mm, stainless steel

i25 Hemispheric Camera: Technical Data

Model versions	Hemispheric 180° Version With 5MP Color Or Black/White Sensor, Microphone And 4-GB microSD Card: - MX-i25-D12-PW - MX-i25-N12-PW
Operating conditions	Ambient temperature 0 °C to 40 °C (32 °F to 104 °F), protection class IP30 (protected from foreign bodies with diameters 2.5 mm or larger, non-waterproof)
Normal application	Indoors • For wall installation only with 15° tilt • Not for use in areas at risk of explosions
Dimensions (height × width × depth):	107 × 145 × 45 mm
Weight (camera without Ethernet cable)	approx. 200 g
Image sensor	1/2.5" CMOS sensor, 5MP (2592 × 1944), progressive scan
Minimum light sensitivity	Color sensor: 0.25 lux@1/60 sec; 0.013 lux@1 sec Black/white sensor: 0.05 lux@1/60 sec; 0.0025 lux@1 sec
Maximum image size	5MP (2592 × 1944 pixels)
Maximum frame rates MxPEG (fps)	30@HD (1280 × 720), 30@MEGA, 15@QXGA, 10@5MP
Maximum frame rates MJPEG (fps)	15@HD (1280 × 720), 12@MEGA, 6@QXGA, 4@5MP
Lens	L12 fisheye with f/2.0 aperture • Image angle: 180° (horizontal) × 160° (vertical)
Controls (front)	Two buttons, two status LEDs
Sound	Microphone, 16-bit/16 kHz (HD voice)
Image processing	MxLEO, backlight compensation, automatic white balance, image distortion correction, panorama correction
Image formats	Freely configurable format 4:3/8:3/16:9 • User-defined formats (image cropping, for example, 5 MP, QXGA, Full HD, MEGA)
Multi-streaming	Yes
PTZ	Digital pan/tilt/zoom, continuous 8x zoom
Intelligent video analysis	MxActivitySensor, video motion analysis
DVR	Via integrated MicroSD card • Externally on USB device • Externally on NAS (max. of 4 TB) • Separate live image feed and full image recording • MxFFS with archiving function • Pre- and post-alarm images • Automatic DVR surveillance including error notification
Alarm/event management	MxActivitySensor • Video motion analysis • Temperature sensor • Microphone sensor • Shock detector • Illumination sensor • Further sensors/IO via additional devices • Alarm notification via e-mail, FTP, VoIP
Video telephone	SIP client; i25 currently only available with microphone
Security	User/group management, SSL connection, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Tamper detection	Yes
Protocols	IPv4, IPv6, HTTP, HTTPS, FTP, RTP, UDP, SNMP, SMTP, DHCP (client or server), NTP (client or server)
Interfaces	Ethernet (MxRJ45), MiniUSB • With optional MxBus/IO board with two additional signal outputs (available soon)

i25 Hemispheric Camera: Technical Data	
Certifications	EMC (EN 55022, CISPR 22, EN 55024, EN 61000-6-1/2) • Further standards (FCC part 15 subpart B, CFR 47, AS/NZS 3548)
(Integrated) software functions	Digital zoom • Programmable exposure windows • Snapshot recording • Full feature recording (MxFFS archive, continuous recording, full image recording including sound) • Time and event control • Time tables including holidays • Web functions • Logo generator • Flexible event logic • Master/slave arming • Multiple time-controlled privacy zones • Remote alarm notification • Programming interface/HTTP API
MOBOTIX video management software (VMS) available to use free of charge	MxCC, MxEasy, MOBOTIX App, MxMultiViewer (available soon)
Accessories	- i25 in-wall installation set with cavity wall socket and stainless steel mounting plate

