

## MOBOTIX i25 Hemispheric Indoor Camera



Technical specifications subject to change without notice



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

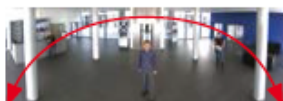
Extremely high-sensitive 5-megapixel sensors • All relevant events are automatically saved • Highly secure as motion sensors detect even the smallest movements and reduce the number of false alarms • Cost-effective as fewer cameras are needed thanks to HiRes panorama view • Maintenance-free with no heaters, 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.

| Technical Data                 |                                                                    |                                  |                                                                |
|--------------------------------|--------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------|
| <b>Models</b>                  | Day lens – color,<br>Night lens – B&W                              | <b>Lens Options</b>              | L12 (180° x 160°), L23 (92° x 68°),<br>others optional         |
| <b>Image Sensors</b>           | 1/2,5" CMOS (5MP)                                                  | <b>Sensor Resolution</b>         | Color: 2592x1944 pixels<br>Black & White: 2592x1944 pixels     |
| <b>Max. Frame Rate (MxPEG)</b> | MEGA/HD: 30 fps,<br>QXGA: 15 fps,<br>5MP: 10 fps                   | <b>Compression</b>               | MxPEG,<br>M-JPEG,<br>JPEG,<br>H.264 (SIP video only)           |
| <b>DVR Recording</b>           | Internal: microSD Card<br>External: PC/NAS (to 4 TB)               | <b>Audio</b>                     | VoIP, sound recording using<br>integrated microphone           |
| <b>Operating Conditions</b>    | IP30,<br>0 to +40 °C/+32 to +104 °F                                | <b>Internal Sensors</b>          | Temperature, microphone, illumina-<br>tion, shock detector     |
| <b>Image Processing</b>        | MxActivitySensor, VMD, image<br>correction, backlight, MxAnalytics | <b>Software (free of charge)</b> | MxManagementCenter,<br>MxControlCenter, MxEasy,<br>MOBOTIX App |

For more information on the entire range of MOBOTIX accessories and additional information on the i25, such as prices, manuals, video management software for computers and iOS devices, etc., please go to [www.mobotix.com](http://www.mobotix.com) > **Products**.  
Or - if you would like to talk to us on the phone to get advice with our products, please call +49 06302 9816-103.



# i25 – Technical Specifications

Security-Vision-Systems

**MOBOTIX**

| Camera Model                                  | MX-i25-Day        | MX-i25-Night      |
|-----------------------------------------------|-------------------|-------------------|
| <b>Lenses, Sensors</b>                        |                   |                   |
| <b>Hemispheric 12 mm (180° x 160°)</b>        | <b>L12</b>        | <b>L12</b>        |
| <b>Super Wide-Angle 23 mm (92° x 68°)</b>     | <b>L23</b>        | <b>L23</b>        |
| 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) |

|                                           |                      |                      |
|-------------------------------------------|----------------------|----------------------|
| <b>Hardware Functions</b>                 |                      |                      |
| 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                        | •/optional via ExtIO | •/optional via ExtIO |
| 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               |

|                                                  |                   |                   |
|--------------------------------------------------|-------------------|-------------------|
| <b>Image Formats, Frame Rates, Image Storage</b> |                   |                   |
| 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

**MOBOTIX**



| Camera Model                                                                                 | MX-i25-Day       | MX-i25-Night     |
|----------------------------------------------------------------------------------------------|------------------|------------------|
| <b>General Functions</b>                                                                     |                  |                  |
| 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 MxBus via                                                          | MX-Bus-IO-Module | MX-Bus-IO-Module |
| Programming interface (HTTP API)                                                             | •                | •                |
| Security Features<br>(HTTPS/SI, IP-based access control, IEEE 802.1X network authentication) | •                | •                |
| <b>Video Analysis</b>                                                                        |                  |                  |
| Video motion detector                                                                        | •                | •                |
| MxAnalytics                                                                                  | •                | •                |
| MxActivitySensor                                                                             | •                | •                |
| <b>Video Management Software</b>                                                             |                  |                  |
| MxManagementCenter/MxControlCenter/MxEasy                                                    | •/•/•            | •/•/•            |
| MOBOTIX App (iOS)                                                                            | •                | •                |



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

## Compact Hemispheric Camera for Indoor Applications



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

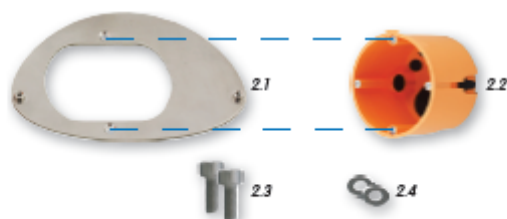
*More information available under [www.mobotix.com](http://www.mobotix.com) > Products > i25*

### 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 (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     |

(Excerpt from the technical documentation(Quick Install: [www.mobotix.com](http://www.mobotix.com) > Support > Manuals)

## i25 Hemispheric Camera: Technical Data

|                                        |                                                                                                                                                                                                                                                                      |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model versions                         | <b>Day and night version with 5-MP color or black &amp; white sensor, incl. microphone and 4 GB microSD card:</b><br>- MX-i25-D12-PW and MX-i25-N12-PW (hemispheric fisheye lens)<br>- MX-i25-D23-PW-F1.8 and MX-i25-N23-PW-F1.8 (92° lens)                          |
| 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<br>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 options                           | - L12 fisheye with f/2.0 aperture • Image angle: 180° (horizontal) × 160° (vertical)<br>- L23 super wide-angle with f/1.8 aperture • Image angle: 92° (horiz.) × 68° (vert.)                                                                                         |
| 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 with audio extension)                                                                                                                                                                                                                                |
| 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 | MxManagementCenter (MxMC), MxControlCenter (MxCC), MxEasy, MOBOTIX App                                                                                                                                                                                                                                                                                                                                               |
| Accessories                                                             | <ul style="list-style-type: none"> <li>- i25 in-wall installation set with cavity wall socket and stainless steel mounting plate</li> <li>- i25 on-wall mounting set</li> <li>- MX-Bus-IO-Module with two signal inputs/two signal outputs</li> </ul>                                                                                                                                                                |

