# Technical Specifications

## MOBOTIX i26B Indoor 180°

**Perfect Wall Installation. Compact, Discreet And Inexpensive.**

The i26B Indoor 180° was specially developed for wall installation. Thanks to its tilt angle of 15°, it provides a perfect overview. A single i26B with a 180° lens monitors an entire room. The camera's compact design ensures an inconspicuous appearance in all environments. With the MxIOBoard-IC available as an accessory, the camera receives an additional MxBus connection, two inputs and two 12V outputs.

- Mx6 system platform 2nd generation, with MxBus, H.264 and ONVIF compatibility
- Recording on an internal MicroSD card (4 GB as standard)
- Optimized for wall installation as an in-wall or on-wall solution
- MxAnalytics Video Analysis tools as standard
- Variants with audio package (microphone and speaker)
- Integrated vibration and temperature sensor

Beyond**Human**Vision

**MOBOTIX**

## Technical Specifications
## MOBOTIX i26B Indoor 180°

| Camera Variants | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Specialties | i26B Body with 6MP T Day or Night sensor, additional variants with audio package; all lenses (except MX-B016) available separately for self-assembly | Factory-assembled i26B Day or Night cameras with sharply focused lens; additional variants with audio package (microphone and speaker inside the camera housing) | |

| Lenses | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Fisheye Lens MX-B016 (f/2.0, 180° x 180°) | Not for i26B Body | Mx-i26B-6D016 Mx-i26B-AU-6D016 | Mx-i26B-6N016 Mx-i26B-AU-6N016 |
| Ultra Wide Lens MX-B036 (f/1.8, 103° x 77°) | Lens selection for i26B Body Day/Night | Mx-i26B-6D036 Mx-i26B-AU-6D036 | Mx-i26B-6N036 Mx-i26B-AU-6N036 |
| Super Wide Lens MX-B041 (f/1.8, 90° x 67°) | Body Day: Mx-i26B-6D (Body not available with audio) | Self-assembly only (without Audio) | Self-assembly only (without Audio) |
| Wide Lens MX-B061 (f/1.8, 60° x 45°) | | Self-assembly only (without Audio) | Self-assembly only (without Audio) |
| Standard Lens MX-B079 (f/1.8, 45° x 34°) | Body Night: Mx-i26B-6N (Body not available with audio) | Self-assembly only (without Audio) | Self-assembly only (without Audio) |
| Tele Lens MX-B119 (f/1.8, 31° x 23°) | | Self-assembly only (without Audio) | Self-assembly only (without Audio) |
| Distant Tele Lens MX-B237 (f/1.8, 15° x 11°) | | Self-assembly only (without Audio) | Self-assembly only (without Audio) |

| Hardware | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Image sensor with individual exposure zones | Color or Black & White (B/W) | Color | B/W |
| Light sensitivity in lux at 1/60 s and 1/1 s | 0.1/0.005 (Color) 0.02/0.001 (B/W) | 0.1/0.005 (Color) | 0.02/0.001 (B/W) |
| Image sensor (color or B/W sensor) | 1/1.8" CMOS, 6MP (3072 x 2048), Progressive Scan | | |
| Tilt angle of lens | -15° (fixed) | | |
| Microprocessor | i.MX 6 Dual Core inkl. GPU (1 GB RAM, 512 MB Flash) | | |
| H.264 Hardware Codec | Yes, bandwidth limitation available; output image format up to QXGA | | |
| Protection classes | IP30 and IK06 | | |
| Intended use | Wall mounting, indoor use only, no EX area | | |
| Ambient temperature (range, incl. storage) | 0 to 40°C (32 to 104 °F) | | |
| Internal DVR, ex works | 4 GB (microSD) | | |
| Microphone/speaker | Yes/Yes (variants with audio package only) | | |
| 16bit/16kHz HD wideband audio (Opus codec) | Yes (live and audio messages) | | |
| Passive infrared sensor (PIR) | No | | |
| Temperature sensor | Yes | | |
| Shock detector (tamper detection) | Yes | | |
| Power consumption (typically at 20°C/68°F) | 5 watts | | |
| PoE Class (IEEE 802.3af) | Class 2 or 3 (variable), factory setting: class 3 | | |
| Interfaces Ethernet 100BaseT/MxBus/USB | Yes (MxRJ45)/No/Yes | | |
| Interface RS232 | With MX-232-IO-Box (Order Nr: MX-OPT-RS1-EXT) | | |
| Interfaces MxBus and I/0 (2 outputs, 2 inputs) | With MxIOBoard-IC (Order Nr. Mx-A-IO-IC) | | |

## Technical Specifications
### MOBOTIX i26B Indoor 180°

| Hardware | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Mounting options | Wall | | |
| Dimensions (Height x Diameter) | 96 x 138 x 50 mm | | |
| Weight | 201 g | | |
| Housing | PBT-30GF, color: white | | |
| Standard accessory | Screws with cover, sealing, Allen wrench, 0.5 m Ethernet patch cable, Quick Install | | |
| Detailed technical documentation | www.mobotix.com > Support > Download Center | | |
| Online version of this document | www.mobotix.com > Support > Download Center | | |
| MTBF | > 80,000 hours | | |
| Certifications | EN55022:2010; EN55024:2010; EN50121-4:2006; EN61000-6-1:2007; EN 61000-6-2:2005; EN61000-6-3:2007+A1:2011; EN61000-6-4:2007+A1:2011; AS/ NZS CISPR22:2009+A1:2010; CFR47 FCC part15B | | |
| Protocols | IPv4, IPv6, HTTP, HTTPS, FTP, FTPS, SFTP, RTP, RTSP, UDP, SNMP, SMTP, DHCP (client and server), NTP (client and server), SIP (client and server) G.711 (PCMA and PCMU) and G.722 | | |
| Manufacturer's warranty (since May 2018) | 3 years | | |

| Image Formats, Frame Rates, Image Storage | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Available video codecs | MxPEG/MJPEG/H.264 | | |
| Image formats | Freely configurable format 4:3, 8:3, 16:9 or customized format (Image Cropping), such as 2592x1944 (5MP), 2048x1536 (QXGA), 1920x1080 (Full-HD), 1280x960 (MEGA) | | |
| Multistreaming | Yes | | |
| Multicast stream via RTSP | Yes | | |
| Max. image format | 6MP (3072 x 2048) | | |

| Image Formats, Frame Rates, Image Storage | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Max. frame rate (fps, only single core used) | MxPEG: 42@HD(1280x720), 34@Full-HD, 24@QXGA, 15@5MP, 12@6MP MJPEG: 26@HD(1280x720), 13@Full-HD, 9@QXGA, 5@5MP, 4@6MP H.264: 25@Full-HD, 20@QXGA | | |
| Number of images with 4 GB microSD (internal DVR) | CIF: 250,000, VGA: 125,000, HD: 40,000, QXGA: 20,000, 6MP: 10,000 | | |

MX-OPT-AP2
On-Wall Installation Set
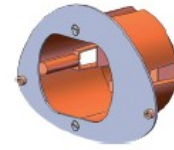
MX-OPT-UP1
In-Wall Installation Set

MxIOBoard-IC
for signal inputs/outputs

| General Functions | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Digital zoom and pan | Yes | | |
| ONVIF compatibility | Yes (Profile S) | | |
| Genetec protocol integration | Yes | | |
| Programmable exposure zones | Yes | | |
| Snapshot recording (pre-/post-alarm images) | Yes | | |
| Continuous recording with audio | Yes (variants with audio package only) | | |
| Event recording with audio | Yes (variants with audio package only) | | |
| Time controlled flexible event logic | Yes | | |
| Weekly schedules for recordings and actions | Yes | | |
| Event video and image transfer via FTP and email | Yes | | |

# Technical Specifications

## MOBOTIX i26B Indoor 180°

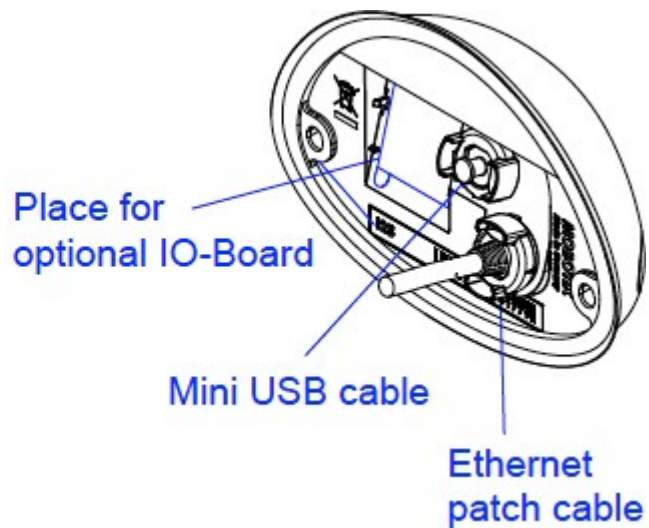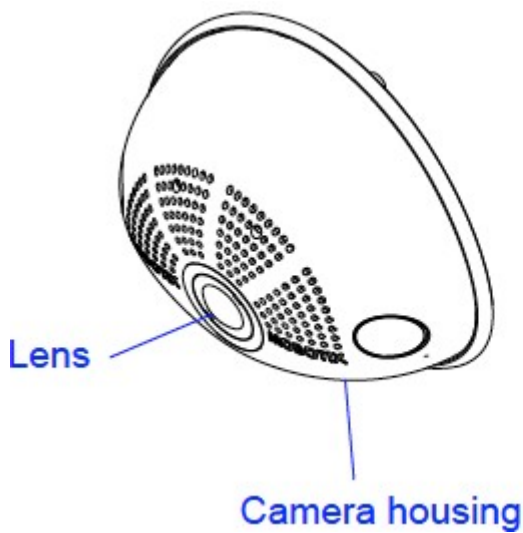| General Functions | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Playback and QuadView via web browser | Yes | | |
| Bidirectional audio in browser | Yes (variants with audio package only) | | |
| Animated logos on the image | Yes | | |
| Master/Slave functionality | Yes | | |
| Privacy zone scheduling | Yes | | |
| Customized voice messages | Yes (variants with audio package only) | | |
| VoIP telephony (audio, alert) | Yes (variants with audio package only) | | |
| Remote alarm notification (network message) | Yes | | |
| Programming interface (HTTP-API) | Yes | | |
| DVR | Inside camera via microSD card, externally via USB device and NAS, different streams for live image and recording, MxFFS with archive function, pre-alarm an post-alarm images, monitoring recording with failure reporting | | |
| Camera and data security | User and group management, SSL connections, IP-based access control, IEEE802.1x, intrusion detection, digital image signature | | |
| MxMessageSystem: Sending and receiving of MxMessages | Yes | | |

| Video Analysis | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| Video Motion Sensor | Yes | | |
| MxActivitySensor | Yes | | |
| MxAnalytics | Yes (Heatmaps, counting corridors) | | |

| Video Analysis | i26B Body Day Or Night Lens For Self-Assembly | i26B Day Complete Camera | i26B Night Complete Camera |
|---|---|---|---|
| MxManagementCenter | Yes | | |
| Mobile MOBOTIX App | Yes | | |

## i26 Standard Delivery



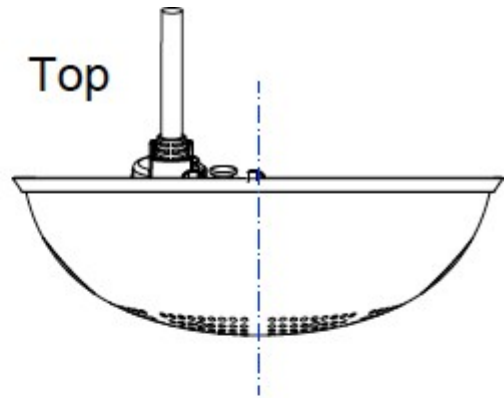| Item | Count | Part Name |
|---|---|---|
| 1.1 | 1 | Housing (installed) |
| 1.2 | 1 | Back cover (installed) |
| 1.3 | 1 | Main board with lens MX-B016 or MX-B036 (installed) |
| 1.4 | 2 | Bayonet catch, blue (installed) |
| 1.5 | 1 | USB plug, blue (installed) |
| 1.6 | 1 | Ethernet plug, blue (installed) |
| 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 pre-installed (SDHC installed, SDXC supported) |
| 1.14 | 1 | Allen wrench 2.5 mm |



Lens

Camera housing

Place for optional IO-Board

Mini USB cable

Ethernet patch cable

## Down



## Top



## Front

145 mm

107 mm



## Side

45 mm

145 mm/5.71 in

68 mm/
2.68 in dia.

Cavity wall socket

65 mm/2.56 in
diameter

107 mm/4.21 in

50 mm/1.97 in

10 mm/0.39 in

Hole for cables

10 mm/0.39 in

113 mm/4.45 in
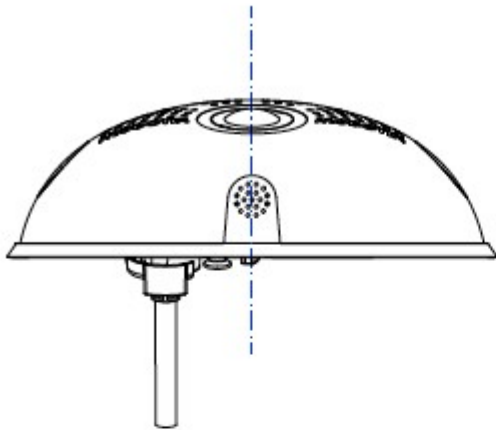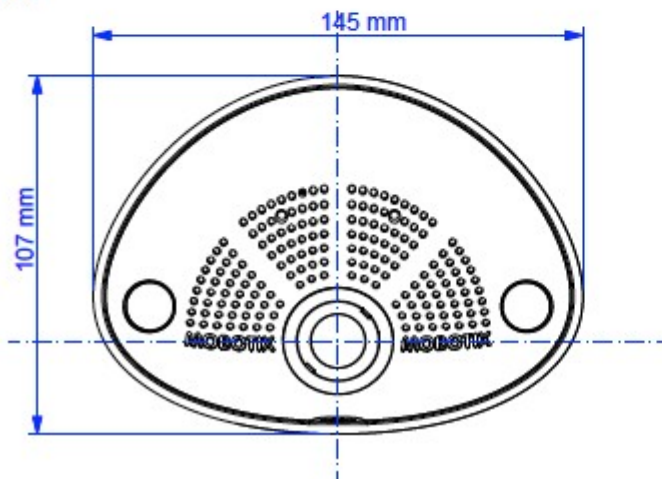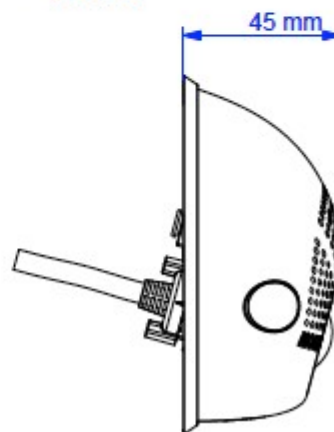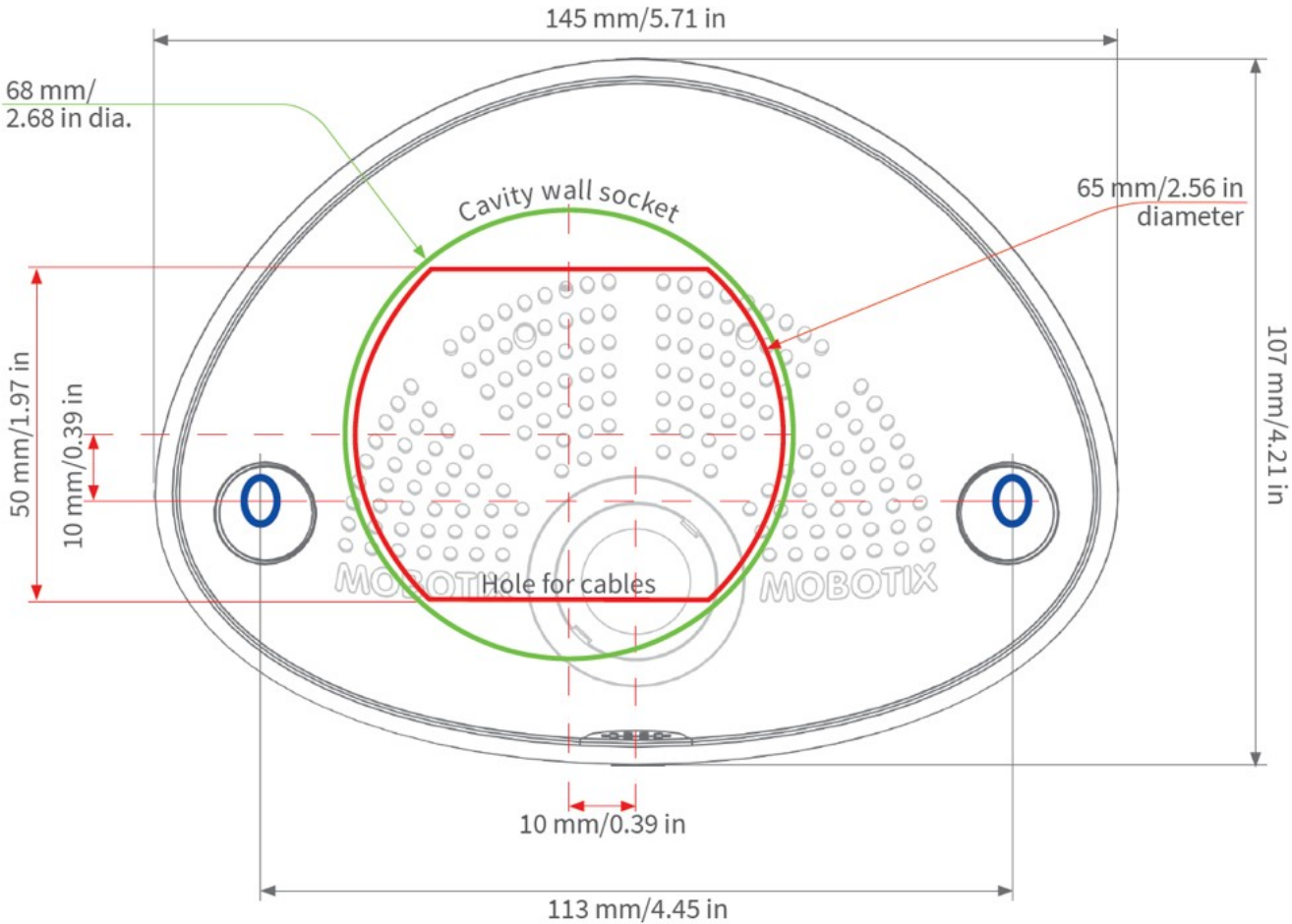
# MOBOTIX

Beyond**Human****Vision**