

MOBOTIX D24M-Sec

Network Camera

Maintenance-free outdoor mono color CMOS network camera without moving parts for security applications

Image sensor

3.1 megapixels, CMOS 2048x1536, color

Resolutions

Live image and recording:

2048x1536 (3 Mega), 1280x960 (Mega), 1024x768 (XGA), 800x600 (SVGA), 768x576 (D1-PAL), 640x480 (VGA), 384x288 (D1-CIF), 320x240 (CIF), 160x120 (PDA), custom formats (e.g. 1000x400 pixels), with digital Zoom and pan/tilt

Max. Image Rates

VGA: 30 fps, TV-PAL: 30 fps, MEGA: 30 fps, 3 Mega: 20 fps (Fastmode, uncorrected image)

Light Sensitivity

1 Lux (t= 1/60 sec)/0.05 Lux (t= 1/1 sec)

Lens Options

| Part Name | Angle | Image Size | Focal Length | In 35mm camera |
|----------------------|-----------------------|-----------------------------|--------------|----------------|
| | (horizontal/vertical) | approx. in 10 m distance | | corresponds to |
| L22 Super Wide-Angle | 90° x 67° | 20.0 m x 13.3 m | f = 4 mm | about 22 mm |
| L32 Wide-Angle | 60° x 45° | 11.5 m x 8.2 m | f = 6 mm | about 32 mm |
| L43 Wide-Angle | 45° x 34° | 8.2 m x 6.1 m | f = 8 mm | about 43 mm |
| L65 Tele | 31° x 23° | 5.5 m x 4.0 m | f = 12 mm | about 65 mm |
| L135 Tele | 15° x 11° | 2.6 m x 1.9 m | f = 25 mm | about 135 mm |

Zoom Levels

Digital zoom, continuous up to 8.0x

Measurements

- Without mounting options: height 85 mm, 160 mm diameter
- With optional In-Ceiling set: cut-out diameter 150 mm, height 63 mm, outside diameter of decoration ring 170 mm
- With optional On-Wall set: height 124 mm, outside diameter 165 mm
- With optional Outdoor Wall mount: 216x204x202 mm (WxHxD)

Weight

Approx. 350 g excluding mounting options

Interfaces

10/100Base T Ethernet (RJ45), USB master (for MX expansion modules), MxBus

Delivered Parts

Weatherproof housing (IP65) from fiber-reinforced plastic (PBT-GF30), metallic white, manual, Allen wrench, patch cable 50 cm/20 in (with EMC sheath), mounting materials, 4 GB MicroSD card, installed camera software with integrated video management system

Sensors

Video motion detector (VM) and microphone

Video ring buffer

64 MB internal stream/image/event storage (e.g. approx. 4,000 images 320x240, good quality)



Internal DVR

MicroSD slot (up to 32 GB, about 1.2 million VGA images or 400,000 MEGA images, good quality)

External DVR

Via FTP on web server or on network computer (Windows/Linux/UNIX/Mac); direct image access, thus no FTP required (but possible)

Power Supply

Via network cabling (e.g. using Power-over-Ethernet standard 802.3af) or Netpower Set (with external power supply and Power Adapter) for one camera, Netpower Box for 4 or Netpower Rack for 8 or 20 cameras), Voltage: 24-48 V, power consumption approx. 3 to 4 Watts

Mounting

- To walls or ceilings without additional mounting options possible
- With optional In-Ceiling set for discreet installations in indoor applications
- With optional On-Wall set (with 0 or 10 degrees inclination) for discreet installations in indoor applications
- In outdoor settings only with optional Outdoor Wall mount (required for IP65)

Certificates

VDE IP66, CE, EMV (EN55022, EN61000-2, FCC part15B, AS/NZ3548, BGVC9

Image Formats

JPEG, Motion JPEG, MxPEG, BMP, H.263+*, H.264* *only when using SIP protocol

Operating Modes

IP Video Telephony

- Video over IP via SIP protocol
- H.263+
- H.264 with G711 audio codec, full duplex with echo cancellation and noise reduction

Simultaneous Browser Operating Modes

- HTML/JavaScript with M-JPEG
- Streaming (Server Push or Java)
- ActiveX (MxPEG)
- HTML pages optimized for PDA and pocket PCs

Operation and configuration using SIP IP video phone, MxControlCenter or MxEasy, advanced camera configuration via web browser, API for video management system of third-party vendors included

Functions

Web server, DHCP server, SIP server, Bonjour/Zeroconfig, SNMP, FTP client, e-mail client, live image, recorder/player, Multiview (simultaneous live image), storage and video search, also possible on external video ring buffer), softbuttons, network message (send, receive) for ext. management systems, integrated VoIP from/to browsers, SIP video telephony, video message box (T24 only), on-screen menu in the VoIP channel, alarm management (e-mail, phone call, network message), IP announcement, PDA web pages, logo generator, time-and event-controlled triggering of functions such as single image recording (max. 50 pre- and post-alarm images), video audio recording (30 fps VGA), video audio recording (event/scheduled), alarm triggering, audio announcements or switching operations, scheduled privacy zones, combining event logic, Master/Slave arming, user management with user groups and password protection, Supervisor mode (four-eyes principle), management of up to 1,000,000 alerts on each camera, no software installation required.

Camera Functions

Software-based, scalable backlight compensation, predefined and freely definable exposure windows, automatic white balance





Image Programs

Predefined camera settings for typical application scenarios:

- Fast: generates the highest image rates
- Security Application: for detecting movement in security applications
- Quality: default setting
- High Quality: generates images with the highest quality
- Webcam: delivers high image quality using the longest exposure times

Exposure Programs

Exposure programs -2, -1, 0, +1, +2 for adapting the exposure times to the current application scenario (clear images of moving objects or reduced image noise)

Image Amplification

Automatic control of minimum average image amplification at night and in situations with reduced illumination

Temperature Range -30°C to +60°C (-22°F to 140°F)

Other Notes

- No moving parts (such as motors, auto iris or similar)
- No heating required for outdoor applications
- No fans required for outdoor applications
- Freely configurable status LEDs

Manufacturer MOBOTIX

Type MX-D24M-Sec

Further Information

http://www.mobotix.com/eng_GB/Products/Cameras/MonoDome-D24



MOBOTIX D24M-Sec-Night

Network Camera

Maintenance-free outdoor mono Black&White CMOS network camera without moving parts for security applications

Image sensor

1.3 Megapixels, CMOS 1280x960, Black&White

Resolutions

Live image and recording:

1280x960 (Mega), 1024x768 (XGA), 800x600 (SVGA), 768x576 (D1-PAL), 640x480 (VGA), 384x288 (D1-CIF), 320x240 (CIF), 160x120 (PDA), custom formats (e.g. 1000x400 pixels), with digital Zoom and pan/tilt

Max. Image Rates

Mega: 14 fps, XGA, SVGA, D1-PAL: 24 fps,VGA, D1-CIF, CIF, PDA: 30 fps

Light Sensitivity

0.1 Lux (t= 1/60 sec)/0.005 Lux (t= 1/1 sec)

Lens Options

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Туре

MX-D24M-Sec-Night

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