



New In This Edition:

- FlexMount Camera S14
- Interface Boxes
- MxAnalytics Video Analysis

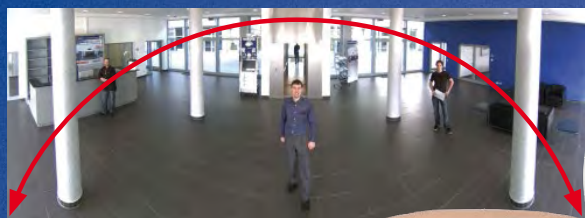
Complete HiRes Video Solutions

high-resolution, digital & cost-effective recording



MOBOTIX

FlexMount Camera S14D



More information on the S14 can be found from page 4 onwards

Discreet. Flexible. Hemispheric.

Two HiRes 180° Panorama

6MEGA double hemispheric camera with no blind spots

Discreet Miniature Sensor Modules Incl. Microphone

Mountable up to two meters away from the camera housing

Mobile-Ready (DIN EN 50155)

Certified for mobile use, for example, on buses and trains

Weatherproof Professional Solution (IP65)

Robust and durable, suitable for day & night use

Decentralized Complete System

On-board image processing, internal storage or on NAS

Low Total Costs

Software included, PoE, no wearing mechanical parts



... starting at \$1,778* incl. video management software

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009 • Information subject to change without notice! • © MOBOTIX AG

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Discreet. Flexible. Hemispheric.

The S14 allows you to attach up to two lens units with integrated microphones using a two-meter long connector cable to the camera housing. Two horizontally or vertically adjacent rooms can be completely recorded with just one camera.



Powerful performance in complete video solutions ...

- Weatherproof dual camera system (IP65) for flexible mounting solutions
- Two separately connected, discreet miniature sensor modules
- Image sensor and microphone integrated directly into the sensor module
- Double Hemispheric equipment replaces up to eight cameras
- Integrated DVR functionality: Slot for MicroSD card (up to 64 GB)
- Functional expansion via MiniUSB and MxBus connector

... starting at \$1,448* incl. video management software

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S14 – Discreet Security

MOBOTIX are proud to present the latest product development, S14 FlexMount, a camera characterized above all by its miniature sensor modules and very broad range of application scenarios. S14 offers additionally the option to mount two hemispheric sensor modules simultaneously.

Technical Specifications S14



The HiRes Video Company

MOBOTIX

Technical Specifications S14D FlexMount

Models	Sec, Sec-Night, Sec-DNight
Lenses	L11 (hemispherical) to 135 mm format, horizontal angle 180° to 15°
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)
Sensor	2x 1/2" CMOS, progressive scan
Max. image resolution (per sensor)	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)
Image format (per sensor)	Free image format selection (from 160x120 to 2048x1536); PTZ view, Quad view, panorama broad view image, double panorama view, panorama focus with 3 views
Max frame rate (M-JPEG) (Live/Recording)	VGA: 30 fps, MEGA: 10 fps, 3MEGA: 4 fps, 6MEGA: 2 fps
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps, 6MEGA: 8 fps
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)
Internal DVR	MicroSD slot (camera-internal video recording up to 64 GB)
External storage	Directly on NAS and PC/Server without additional recording software
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter
Image processing	Backlight compensation, automatic white balance, image distortion correction (panorama image correction included), video sensor (motion detection)

Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Alarm/Events	Triggering of events by integrated multiple-window motion detection, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Audio	Integrated microphone (per sensor module, not S14M), lip-synchronous audio, audio recording
Interfaces	Ethernet 10/100, MiniUSB, MxBus, Audio (IO),
Video phone	VoIP, SIP, remote control via DTMF signaling, event notification, two-way speaker with ext. speaker
Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Certificates	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Power supply	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption; typ. 4.5 W; with PoE switch/MOBOTIX PoE-Adapter
Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Dimensions	W x H x D: 11,5 x 12,5 x 3,3 cm (camera module), Weight: ca. 500 g, Ø x L: 5 x 4,3 cm (lens unit)
Standard delivery	Housing (high-resistance composites – PBT-PC) with aluminum base plate, white, mounting parts, patch cable, manual, software, 4 GB MicroSD

Technical information subject to change without notice.

S14M Mono

S14M MonoMount



- For wall and ceiling mounting
- Robust and maintenance-free, without mechanically moving parts

S14D FlexMount



- For wall and ceiling mounting
- Robust and maintenance-free, without mechanically moving parts
- Including extension and two locknuts
- All MOBOTIX lenses available (L11 to L135)

Accessories S14D

SlopeMount 15°



- For inclined installation (15°)
- Recommended for wall installation with a focus on the center of the room

SurroundMount*



- Long, narrow rooms

Dual FlexMount*



- Day and night sensors

* available Q2/2013

Double Panorama For Indoors/Outdoors



Accessories For The S14M: Attachment Set

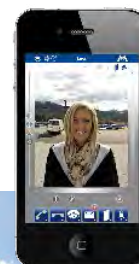


Thanks to the mounting aid, the camera can be installed very easily and without screws, for example, behind stainless steel casings.

S14 – Flexible Installation In Indoor And Outdoor Applications

The flat, weatherproof housing can be installed, including flash memory and all external connectors (Ethernet, MiniUSB, MxBus), discreetly behind a wall or ceiling panel so that only the lens units in their ultra-compact protective housing (IP65) are visible in the room.

Hemispheric IP Video Door Station



Better Overview. Increased Security.

With the IP Video Door Station, MOBOTIX is introducing a new product line in the area of door communication and access control that supports the VoIP/SIP video telephone standard. The T24 records all events outside the house door with sound; automatically when the doorbell is pushed, with movement in the image or upon triggering a contact.

Complete video solution with powerful performance ...

- Complete Panorama view from wall to wall and from floor to ceiling thanks to Hemispheric technology
- Recording with sound of all activities in front of the door, automatically around the clock
- Two-way video worldwide via IP telephony, computer or MOBOTIX App
- Integrated messaging features for leaving and retrieving messages directly at the door
- Keyless entry using PIN code, transponder or in the near future also the MOBOTIX App
- Simple installation, optional use of two existing bell wires instead of network cable

... starting at \$1,778* incl. video management software

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Complete Panorama View For Superior Overview

The high-resolution Hemispheric door camera with 3.1 megapixel image sensor and internal MicroSD storage allows monitoring of the entire entrance area. Complete Panorama view from wall to wall and floor to ceiling.

Technical Specifications T24



The HiRes Video Company

MOBOTIX

Technical Specifications T24 Hemispheric Camera

Models	Sec, Sec-Night
Lenses	L11 (hemispherical) (90° x 67°)
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)
Sensor	1/2" CMOS, progressive scan
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)
Image format	Free image format selection (from 160x120 to 2048x1536); with L11: PTZ view, Quad view, panorama broad view image, double panorama view, panorama focus with 3 views
Max frame rate (M-JPEG) (Live/Recording)	VGA: 25 fps, TV-PAL: 18 fps, MEGA: 8 fps, 3MEGA: 4 fps
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)
Internal DVR	MicroSD slot (camera-internal video recording up to 64 GB)
External storage	Directly on NAS and PC/Server without additional recording software
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter
Image processing	Backlight compensation, automatic white balance, image distortion correction (panorama image correction included), video sensor (motion detection)

Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Alarm/Events	Triggering of events by integrated multiple-window motion detection, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Audio	Integrated microphone and speaker, lip-synchronous audio, two-way speaker, audio recording
Interfaces	Ethernet 10/100, USB, MxBus
Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Certificates	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Power supply	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption; typ. 3 W; with PoE switch/MOBOTIX PoE-Adapter
Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Dimensions	W x H: 13.1 x 13.1 cm (single camera modul), Weight: ca. 450 g
Standard delivery	Housing (high-resistance composites – PBT-PC), white, incl. 360° lens, mounting parts, allen wrench, patch cable - 50 cm, manual, software, 4 GB MicroSD (except Basic)

Technical information subject to change without notice!

T24 Modules

T24-CamCore



- Allround view with high-resolution color images and vPTZ function
- Long-term recording, integrated speaker, microphone, doorbell and light buttons

T24-KeypadRFID



- Keyless Entry per PIN code or transponder
- Integrated messaging feature

T24-Info



- Optional with T24-Info2wire+ unit
- To connect the T24 via 2 bell wires (data and power)

Available Colors

Colors



- Available in white, metallic silver, dark gray, amber and black
- Modern, discreet design

Accessories

Frames (Without Modules)



- Available as On-Wall or In-Ceiling model
- Weatherproof (IP65)
- For 1 to 3 modules
- Including anti-theft protection

T24-DoorMaster



- Integrated doorbell
- Backup power supply with battery (up to 60 hours)
- 2 buttons, 2 LEDs
- 2 signal inputs, 1 signal output

MOBOTIX App



- For iPhone/iPad/iPod touch
- Worldwide connection with T24 via WLAN (Wi-Fi) or UMTS

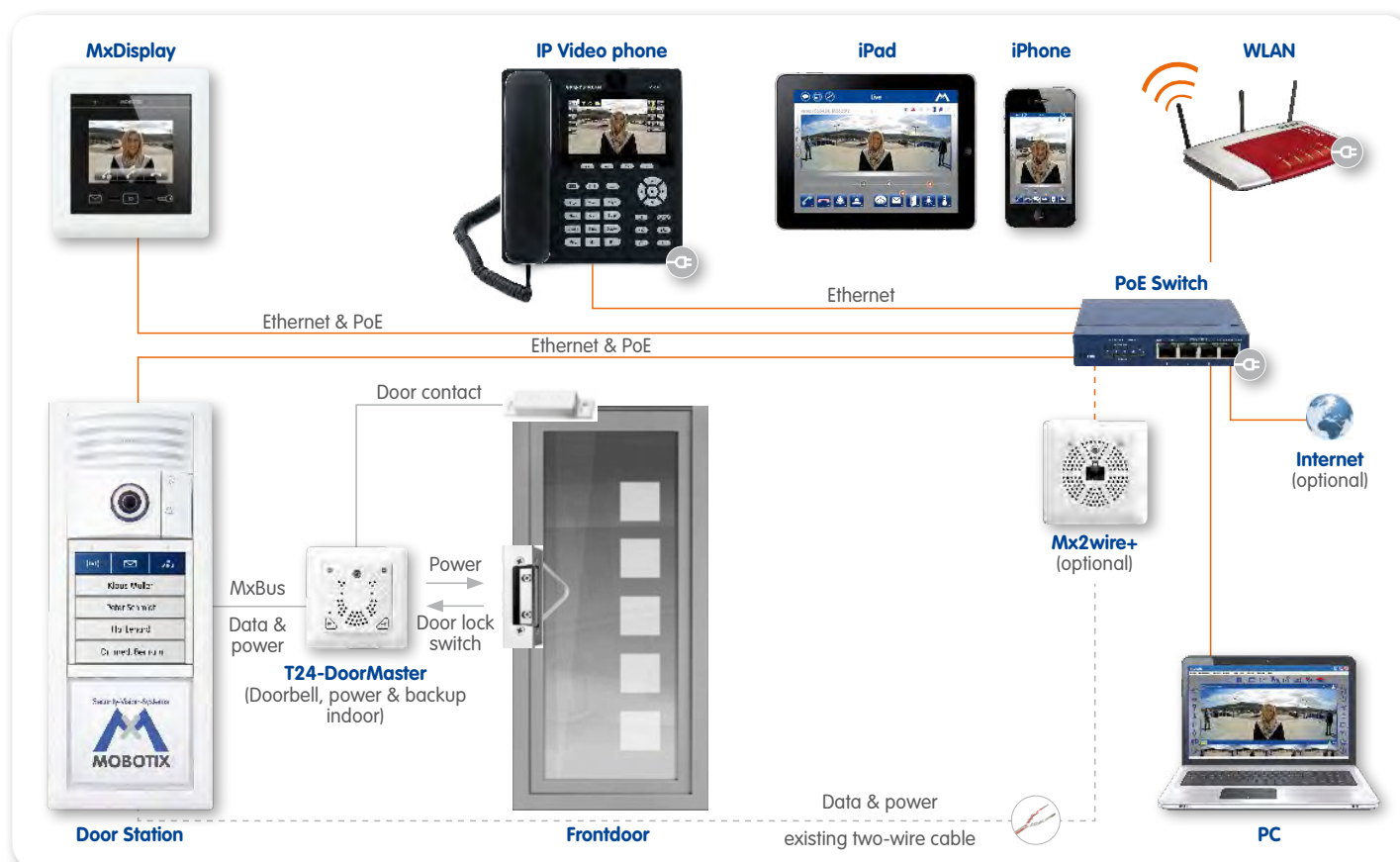
Grandstream VoIP Videophone



- Video remote station for T24
- Comfortable camera operation, event research, door and light control

Simple And Cost-Effective Installation

The MOBOTIX IP Video Door Station can be connected and supplied with power via a network cable or – thanks to the Mx2wire+ technology – via two bell wires. Siedle Vario installation systems can also be upgraded with the T24M camera.



T24: Quick And Cost-Efficient Mounting

What does a typical system look like and what kind of cabling is needed? The system image shows the schematic structure of a hemispheric IP Video Door Station including the Security Door Opener from MOBOTIX for inside installation next to the door (T24 DoorMaster).

The outdoor station network connection and power supply are supplied via an Ethernet cable (PoE technology) or alternatively using the **T24-Info2wire+** expansion set via a two-wire bell wire. This way, the existing doorbell or **simple door intercom system can be replaced by a versatile access control system with a high-resolution MOBOTIX door station with little extra effort or cost.**

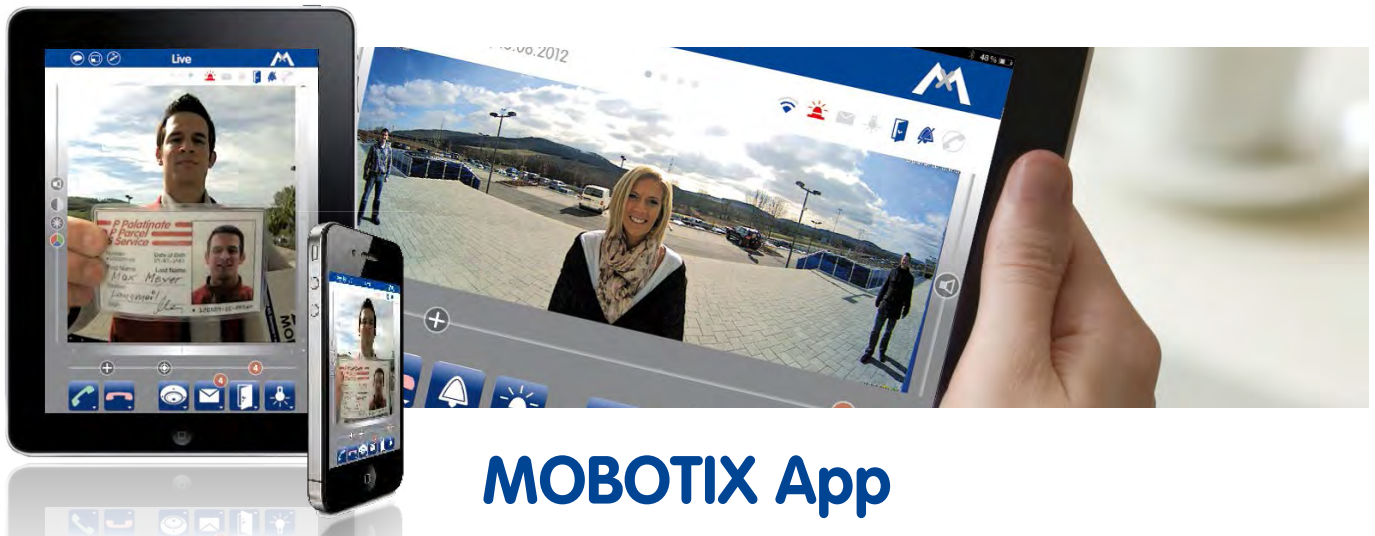
Simple Network Connection

The T24 outdoor station requires just one cable for data and power to be connected to a PoE switch and thereby to any expandable Ethernet network.



MxDisplay With Touch Screen

The display is a versatile expansion module to the hemispheric IP Video Door Station and fits into the system frames and the housing of the Door Station. Equipped with touch screen, the device functions as video intercom, installed in a house, for MOBOTIX Door Stations, and security cameras - including switching functions for door opener and light as well as to retrieve mailbox and event recordings. The device does not require a power connection because it is powered over PoE standard via the network cable.



MOBOTIX App

T24 owners will be able to use their iPhone or iPad as a remote station in the future. The MOBOTIX App provides notifications when someone rings the doorbell, enables two-way communication with visitors and can remotely open the door. It is also possible to retrieve voice mailbox messages, live images and recordings from all integrated Door Stations and cameras.

New Expansions To The Door Station

MOBOTIX will soon offer a doorbell module T24-BellRFID with up to five bell buttons and integrated RFID technology. In addition, a special T24 installation set will be offered to integrate single modules of the Door Station in stainless steel surfaces.



reddot design award
honourable mention 2009

Q24 with in-ceiling mount

Allround Easy. Allround Secure.

An elegant, ultra compact and weatherproof IP dome camera. Thanks to the 360° allround view to capture an entire room, a panorama function and a quad view to show images from four different angles simultaneously, the Q24 can be used in all new applications.

Original panorama image from Q24M

Mounted to a wall at 2.3 meters in a bank



High-Resolution 180° Panorama

Powerful performance in complete video solutions ...

- Complete panorama view, ideal for access control
- Quad view to show images from four different angles simultaneously
- Digital, continuous zooming and panning
- Robust and maintenance-free, without mechanically moving parts
- MxAnalytics: Heatmap, People Counting and fully automatic reports
- Alarm function, speaker and microphone integrated

... starting at \$798* incl. video management software

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Q24 – The Perfect Overview

The Q24 provides a hemispherical 360° allround view with just one lens. Only one camera is needed to view all four corners of a room. The fish-eye effect, typical of this lens, can be digitally switched off already in the live images.

Technical Specifications Q24 Hemispheric

Models	Basic, Sec, Sec-Night	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	L11 (hemispherical), L22 (90° x 67°)	Alarm/Events	Triggering of events by integrated multiple-window motion detection, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)	Audio	Integrated microphone and speaker, lip-synchronous audio, two-way speaker, audio recording
Sensor	1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, USB
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)	Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Image format	Free image format selection (from 160x120 to 2048x1536); with L11: PTZ view, Quad view, panorama broad view image, double panorama view, panorama focus with 3 views	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Max frame rate (M-JPEG) (Live/Recording)	VGA: 25 fps, TV-PAL: 18 fps, MEGA: 8 fps, 3MEGA: 4 fps	Certificates	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps	Power supply	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption; typ. 3 W; with PoE switch/MOBOTIX PoE - Adapter
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)	Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Internal DVR	MicroSD slot (camera-internal video recording up to 64 GB)	Dimensions	Ø x H: 16 x 5 cm, Weight: ca. 450 g
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Housing (high-resistance composites – PBT-PC), white, incl. 360° lens, mounting parts, allen wrench, patch cable - 50 cm, manual, software, 4 GB MicroSD (except Basic)
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction (panorama image correction included), video sensor (motion detection)		

Technical information subject to change without notice!

Q24 Hemispheric

Available Accessories Q24 Hemispheric Camera

Standard Housing MX-Q24M-Sec  <ul style="list-style-type: none"> Hemispherical allround view 360° For wall and ceiling mounting White or black Robust and maintenance-free, without mechanically moving parts 	Vandalism Housing MX-Q24M-Sec-Vandal  <ul style="list-style-type: none"> Stainless steel vandalism housing incl. lens protection Polished, matt 	In-Ceiling-Set MX-OPT-IC  <ul style="list-style-type: none"> In-Ceiling set incl. mounting parts Easy mounting from front Ø 150 mm installation dimension White or black Can be ordered with stainless steel cover (MX-OPT-IC-ESMA) 	ExtIO Extension Module MX-ExtIO  <ul style="list-style-type: none"> Microphone/Speaker PIR sensor for motion detection, temperature sensor 2 signal inputs, 2 signal outputs, 2 illuminated buttons
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Quad view (mounted to a ceiling)



Broad view image (mounted to a wall)



3 views simultaneously



Q24 – Quad View

A Q24 can replace four cameras and simultaneously show images from 4 different angles on the monitor. Each of the four views has a virtual PTZ function and can be adjusted separately. With the Q24, MOBOTIX yet again demonstrates the innovative power that makes the company a market leader for megapixel video security systems.

DualNight Camera M12



Two Eyes. 100,000 Reasons.

MOBOTIX dual lens, day/night camera with two separate HiRes image sensors is successfully in use in over 100,000 installations worldwide. Brilliant color for the day and extremely light-sensitive black/white sensor for the night. The intelligent and robust professional solution from MOBOTIX with no moving parts!



HiRes Video Night

MOBOTIX HiRes video replaces up to 6 cameras ...

- Two separate image sensors for day and night-time operation
- Integrated DVR with HiRes video recording
- Permanently fixed lenses at factory for extremely simple installation
- Robust, low-maintenance and with concealed cable duct
- Weatherproof from -30 to +60 °C (-22 to +140 °F), without need for heating (IP65)
- Digital continuous zoom, pan and tilt
- Integrated microphone, speaker and PIR motion detector

... starting at \$1,198* incl. video management software

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M12 – HiRes Video Around The Clock

The M12 automatically selects – without high-maintenance mechanical switching – either the color sensor with daylight lens or the monochrome sensor with infrared lens for good real-color presentation during the day or high sensitivity at night.

Technical Specifications M12



The HiRes Video Company

MOBOTIX

Technical Specifications M12 DualNight

Models	Web, IT, IT-DNight, Sec, Sec-DNight, Sec-R16	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, PIR, notification over email, FTP, IP telephony (VoIP, SIP), ISDN, signal output, visual/acoustic alarm, pre- and post-alarm images
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)	Audio	Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording
2 Sensors	2 x 1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, ISDN, RS232, 3 x In, 1 x Out
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)	Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Image format	2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Max frame rate (M-JPEG) (Live/Recording)	VGA: 16 fps, TV-PAL: 12 fps, MEGA: 6 fps, 3MEGA: 4 fps	Certificates	EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 24 fps, MEGA: 14 fps, 3MEGA: 10 fps	Power supply	Power over Ethernet (IEEE 802.3af, Class 0), with PoE switch/injector, typ. 4 W
Image compression	MxPEG, M-JPEG, JPEG, H.263 (only Video-VoIP)	Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Internal DVR	SD card (up to 64 GB), 16 GB internal (Sec-R16)	Dimensions	WxDxL: 14.2 x 15.5 x 17 cm, Weight: ca. 850 g (incl. SecureFlex wall mount)
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Weatherproof housing (reinforced composites - PBT), white, SecureFlex wall/ceiling mount with turn/tilt mount and concealed cabling, covers RJ45 wall outlets, incl. 2 lenses, mounting parts, allen wrench, patch cable - 50 cm, manual, software
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

M12 DualNight

Standard Housing
MX-M12D-Sec-DNight



- DualNight camera with two separate image sensors for day and night-time operation
- Automatic day/night switching

Pole Mount

MX-MH-SecureFlex-ESWS



- 3 mm stainless steel, white
- 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts

Available Accessories M12 DualNight

PoE-Injector

MX-NPA-PoE-Set



- Power supply from electrical power and battery (12-42 V)
- For direct PC connection without a switch thanks to integrated crossover function

CamIO Extension Module

MX-CAMIO-PoE



- Interface for the connections of ext. sensors, devices (door contact, light, etc.)
- 2 x relays (230V/500W), 2 x input, backup, audio

ExtIO Extension Module

MX-ExtIO



- Microphone/Speaker
- PIR sensor for motion detection, temperature sensor
- 2 signal inputs, 2 signal outputs, 2 illuminated buttons

L22 Super Wide Angle 90°

L32 Wide Angle 60°

L43 Wide Angle 45°

L65 Tele 31°

L135 Tele 15°

Lenses					
	approx. 90°H x 67°V at 10 m appr: 20.0 x 13.3 m	approx. 60°H x 45°V at 10 m appr: 11.5 x 8.2 m	approx. 45°H x 34°V at 10 m appr: 8.2 x 6.1 m	approx. 31°H x 23°V at 10 m appr: 5.5 x 4.0 m	approx. 15°H x 11°V at 10 m appr: 2.6 x 1.9 m

* not for M12 models

M12 – HiRes Video Around The Clock

The M12 automatically selects – without high-maintenance mechanical switching – either the color sensor with daylight lens or the monochrome sensor with infrared lens for good real-color presentation during the day or high sensitivity at night.

Allround Camera M24



More Camera For Less. Guaranteed!

The M24M series from MOBOTIX offers extremely compact, cost-effective and exceptionally powerful allround cameras with the widest range of lenses, including panorama version. Fully equipped with IP66-certified housing and long-term internal storage on a MicroSD card!



180°-Panorama with L11 lens

MOBOTIX HiRes video replaces up to 6 cameras ...

- Individual choice of lens: Tele/Wide Angle, day/night, CSVario and Hemispheric (180°)
- Wide range of applications from 180°-panorama webcam to video security
- Fast, simple installation on wall, pole or ceiling
- Integrated DVR with HiRes video recording without network load
- Robust, low-maintenance and weatherproof from -30 to +60 °C (-22 to +140 °F), (IP66)
- Digital continuous zoom, pan and tilt
- Integrated microphone and speaker with improved sound quality

... starting at \$798* incl. video management software

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M24 – The Robust Allrounder

The cost-effective and professional solution with exchangeable lenses for indoor and outdoor use. The lenses can be freely selected: from Hemispheric (180°) through Super Wide Angle (90°) to Telephoto lens (15°) and CSVario.

Technical Specifications M24



The HiRes Video Company

MOBOTIX

Technical Specifications M24 Allround

Models	IT, IT-Night, Sec, Sec-Night, Sec-CSVario, Sec-D11	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	11 to 135 mm format, horizontal angle 180° to 15°	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)	Audio	Integrated microphone and speaker, lip-synchronous audio, two-way speaker, audio recording
Sensor	1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, USB
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)	Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Image format	2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Max frame rate (M-JPEG) (Live/Recording)	VGA: 25 fps, TV-PAL: 18 fps, MEGA: 8 fps, 3MEGA: 4 fps	Certificates	EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps	Power supply	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption: typ. 3 W; with PoE switch/injector
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)	Operating conditions	IP66 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Internal DVR	Slot for MicroSD card (up to 64 GB)	Dimensions (incl. wall mount)	WxDxL: 14 x 23 x 19 cm, Weight: ca. 750 g
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Weatherproof housing (reinforced composites - PBT), white, wall/ceiling mount, mounting parts, patch cable - 50 cm, manual, software, 4 GB MicroSD card
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

M24 Allround

Standard Housing
MX-M24M-Sec-D22



- Allround camera with individual choice of lens
- Incl. wall/ceiling mount
- Simple installation with concealed cabling

Pole Mount

MX-MH-SecureFlex-ESWS



- 3 mm stainless steel, white
- 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts

Glass Lens Cover

MX-M24M-OPT-LCSG



- Lens protection for extreme weather conditions
- Scratch-proof glass
- For all lenses with M14 thread

PoE-Injector

MX-NPA-PoE-Set



- Power supply from electrical power and battery (12-42 V)
- For direct PC connection without a switch thanks to integrated crossover function

Mx2wire+ Media Converter

MX-2wirePlus-Set-PW



- Ethernet with PoE using two-wire cable
- Suitable for coaxial-cables, bell wires, power cables and more

ExtIO Extension Module

MX-ExtIO



- Microphone/Speaker
- PIR sensor for motion detection, temperature sensor
- 2 signal inputs, 2 signal outputs, 2 illuminated buttons

	L11 Fisheye 180°	L22 Super Wide Angle 90°	L32 Wide Angle 60°	L43 Wide Angle 45°	L65 Tele 31°	L135 Tele 15°	CSVario
Lenses							
	appr. 180° H x 160° V at 10m appr. endless x 110m	appr. 90° H x 67° V at 10m appr. 20.0 x 13.3m	appr. 60° H x 45° V at 10m appr. 11.5 x 8.2m	appr. 45° H x 34° V at 10m appr. 8.2 x 6.1m	appr. 31° H x 23° V at 10m appr. 5.5 x 4.0m	appr. 15° H x 11° V at 10m appr. 2.6 x 1.9m	appr. 73°-37° H x 158°-28° V at 10m appr. 14.8 - 6.7 x 11.1 - 5.0m

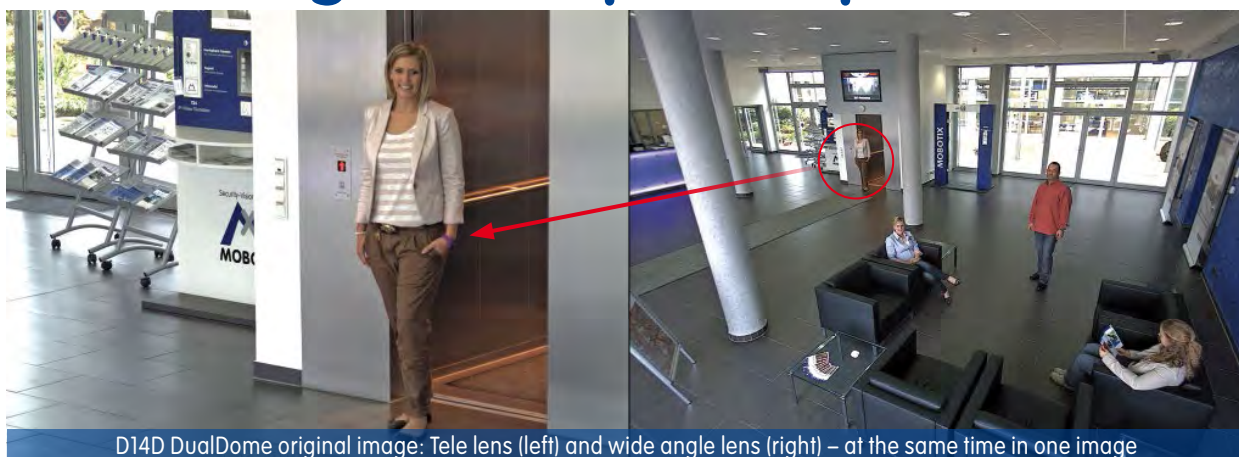
M24 – The Robust Allrounder

The cost-effective and professional solution with exchangeable lenses for indoor and outdoor use. The lenses can be freely selected: from Hemispheric (180°) through Super Wide Angle (90°) to Telephoto lens (15°) and CSVario.

DualDome Camera D14



**One camera, two lenses.
Seeing more is just not possible.**



D14D DualDome original image: Tele lens (left) and wide angle lens (right) – at the same time in one image

MOBOTIX HiRes video replaces up to 6 cameras ...

- individual choice of lenses: tele/wide-angle, day/night, 180° panorama function
- integrated DVR (up to 64 GB) stores up to 520,000 HiRes images (6 days with 1 fps)
- simple installation with only one network cable (data & power/PoE)
- continuous digital pan, tilt and zoom (virtual PTZ function)
- highest audio quality thanks to new codec and echo elimination
- optimized interfaces: MxBus and MiniUSB for e.g. UMTS and GPS
- robust, maintenance-free, IP65 weatherproof, from -30 to +60 °C (-22 to +140 °F)

... starting at \$1,328* incl. video management software

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009
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D14 – Attractive Fixed Dome With Two Lenses

Two lenses, two HiRes image sensors, up to 64 GB internal storage and a dual image of a maximum of 6 megapixels make the D14D DualDome an efficient security solution: It is possible to secure two different areas using just one camera. All without vulnerable mechanical components!

Technical Specifications D14



The HiRes Video Company

MOBOTIX

Technical Specifications D14 DualDome

Models	IT, Sec, Sec-180°, Sec-Night-180°, Sec-DayNight	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, PIR, notification over email, FTP, IP telephony (VoIP, SIP), signal output, visual/acoustic alarm, pre- and post-alarm images
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)	Audio	Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording
2 Sensors	2 x 1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, RS232 (via MxPatchBox), MiniUSB, MxBus
Max. image resolution	Color: 2048 x 1536 (3MEGA), Black/White: 1280 x 960 (MEGA)	Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Image format	2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Max frame rate (M-JPEG) (Live/Recording)	VGA: 25 fps, MEGA: 12 fps, 3MEGA: 4 fps	Certificates	EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps	Power supply	Power over Ethernet (IEEE 802.3af, Class 0), Netpower-Adapter, typ. 4 W
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)	Operating conditions	IP54/IP65 (without/with wall mount), -30 to +60 °C (-22 to +140 °F)
Internal DVR	Slot for MicroSD card (up to 64 GB)	Dimensions	Ø x H: 20.1 x 11 cm, Weight: ca. 650 g
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Housing (high-resistance composites – PBT-PC), white, shockproof polycarbonate dome (transparent), mounting parts, allen wrench, patch cable - 50 cm, manual, software
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice!

D14 DualDome

Available Accessories D14 DualDome

Standard Housing MX-D14Di-Sec  <ul style="list-style-type: none"> FixDome camera with two independent, individually adjustable image sensors Simultaneously records an entire room & selected details 	Vandalism Set MX-D14D-Vandal-Kit  <ul style="list-style-type: none"> Dome (3 mm Polyc.) Stainless steel vandalism housing in polished, matt or in powder-coated white, silvergray or black 	Wall Mount MX-WH-Dome  <ul style="list-style-type: none"> Weatherproof (IP65) for D14-DualDome Covers up RJ45 outlets and Outdoor PatchBox Space for expansion modules (WLAN) 	Pole and Corner Mount MX-MH-Dome-ESWS  <ul style="list-style-type: none"> 3 mm stainless steel, white 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts 	PoE-Injector MX-NPA-PoE-Set  <ul style="list-style-type: none"> Power supply from electrical power and battery (12-42 V) For direct PC connection without a switch thanks to integrated crossover function 	RS232 interface MX-232-IO-Box  <ul style="list-style-type: none"> For connecting external sensors Switching external devices (e.g., gate, light, etc.) RS232 interface for the camera
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L22 Super Wide Angle 90°

L32 Wide Angle 60°

L43 Wide Angle 45°

L65 Tele 31°

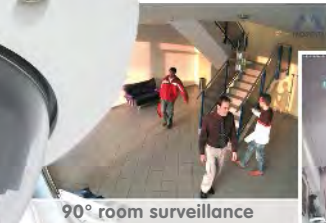
L135 Tele 15°

Lenses					
	approx. 90°H x 67°V at 10 m appr: 20.0 x 13.3 m	approx. 60°H x 45°V at 10 m appr: 11.5 x 8.2 m	approx. 45°H x 34°V at 10 m appr: 8.2 x 6.1 m	approx. 31°H x 23°V at 10 m appr: 5.5 x 4.0 m	approx. 15°H x 11°V at 10 m appr: 2.6 x 1.9 m

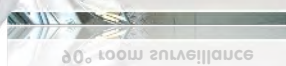
D14 – Attractive Fixed Dome With Two Lenses

Two lenses, two HiRes image sensors, up to 64 GB internal storage and a dual image of a maximum of 6 megapixels make the D14D DualDome an efficient security solution: It is possible to secure two different areas using just one camera. All without vulnerable mechanical components!

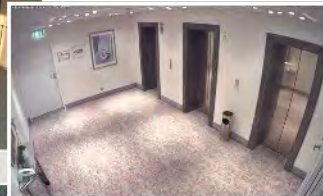
MonoDome Camera D24



90° room surveillance



90° room surveillance



3 elevators in an overview



3 elevators in an overview

Fits In. Watches Out.

Inconspicuous surveillance with state-of-the-art technology. The D24 FixDome from MOBOTIX adapts perfectly to any task. Exchangeable lenses, various mounting and configuration options including vandalism set support unlimited application possibilities.



HiRes Video

MOBOTIX HiRes video replaces up to 6 cameras ...

- Attractively designed FixDome camera featuring exchangeable lenses from Tele to Wide Angle
- Numerous installation options both indoor and outdoor
- On-wall set with space for extension modules (battery, UMTS, WLAN (Wi-Fi), etc.)
- Integrated DVR with HiRes video recording (4 GB MicroSD card incl.)
- Robust, low-maintenance and weatherproof from -30 to +60 °C (-22 to +140 °F) (IP65)
- Digital continuous zoom, pan and tilt
- Can be upgraded to an intercom system with the MOBOTIX ExtIO module

... starting at \$648 * incl. video management software

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009
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D24 – Compact, Cost-Efficient And With High Resolution

The many, easy-to-replace lens options of the D24 provide a tailored solution for different types of applications. A robust dome camera (IP65) with optional vandal-proof, wall-mount and in-ceiling installation sets.

Technical Specifications D24



The HiRes Video Company

MOBOTIX

Technical Specifications D24 MonoDome

Models	Basic, IT, IT-Night, Sec, Sec-Night	Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, notification over email, FTP, IP telephony (VoIP, SIP), visual/acoustic alarm, pre- and post-alarm images
Sensitivity	Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s)	Audio	Optional via ExtIO, lip-synchronous audio, two-way speaker, audio recording, video VoIP supported
Sensor	1/2" CMOS, progressive scan	Interfaces	Ethernet 10/100, USB
Max. image resolution	Color: 2048 x 1536 (3MEGA), B/W: 1280 x 960 (MEGA)	Video phone	VoIP, SIP, two-way speaker, remote control via DTMF signaling, event notification
Image format	2048 x 1536, 1280 x 960, 1024 x 768, 800 x 600, 768 x 576 (D1), 704 x 576 (TV-PAL), 640 x 480, 384 x 288, 352 x 288, 320 x 240, 160 x 120; free image format selection (e.g. 1000 x 200 for skyline)	Security	User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, intrusion detection, digital image signature
Max frame rate (M-JPEG) (Live/Recording)	VGA: 25 fps, TV-PAL: 18 fps, MEGA: 8 fps, 3MEGA: 4 fps	Certificates	EMC (EN50121-4, EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Video stream (MxPEG) (Live/Recording/Audio)	VGA: 30 fps, TV-PAL: 30 fps, MEGA: 30 fps, 3MEGA: 20 fps	Power supply	Power over Ethernet (IEEE 802.3af): PoE class variable depending on operating mode; power consumption: typ. 3 W; with PoE switch/MOBOTIX PoE adapter
Image compression	MxPEG, M-JPEG, JPEG, H.264 (only Video-VoIP)	Operating conditions	IP65 (DIN EN 60529), -30 to +60 °C (-22 to +140 °F)
Internal DVR	MicroSD slot (camera-internal video recording up to 64 GB)	Dimensions	Ø x H: 16 x 8.6 cm, Weight: ca. 350 g
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Housing (high-resistance composites – PBT), white, shockproof polycarbonate dome (transparent), free choice of lenses, mounting parts, allen wrench, patch cable - 50 cm, manual, software, 4 GB MicroSD (except Basic)
Software (inclusive)	Video management software MxEasy, Control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection)		

Technical information subject to change without notice.

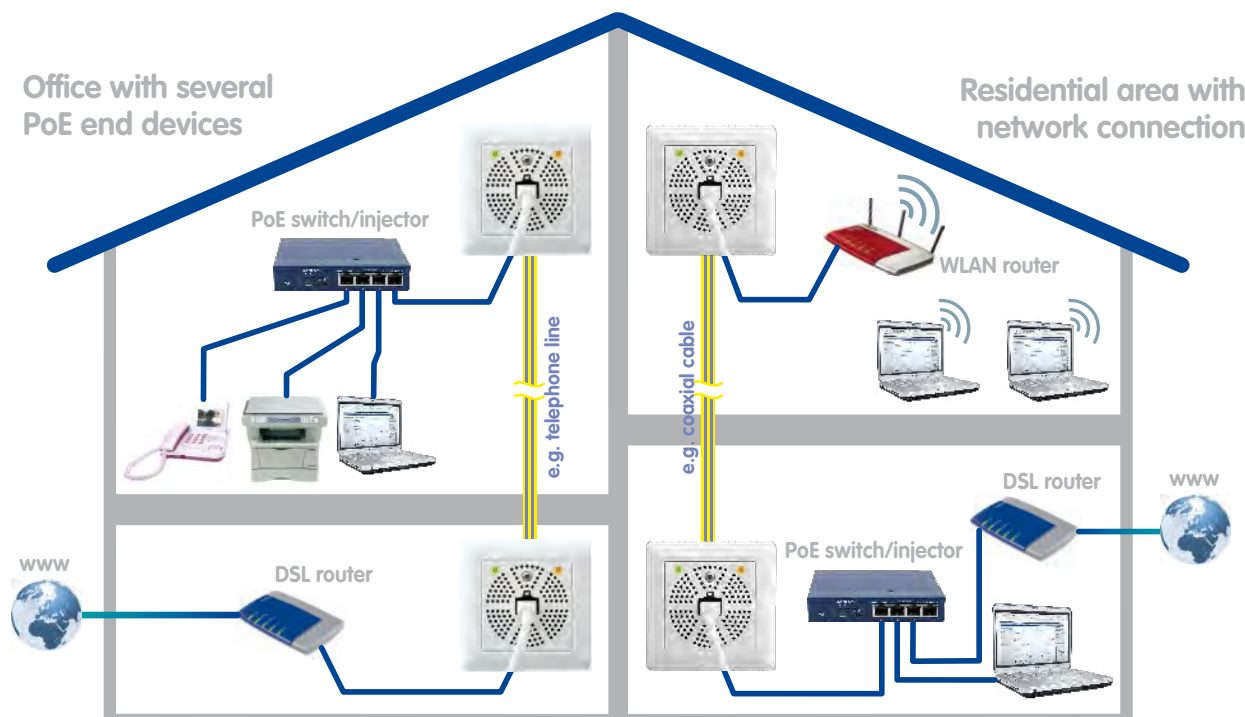
Available Accessories D24 MonoDome

In-Ceiling Set MX-OPT-IC	On-Wall Set MX-OPT-AP	Vandalism Set MX-D24M-Vandal-ESMA	Outdoor Wall Mount MX-OPT-WH	Pole Mount MX-OPT-MH	ExtIO Extension Module MX-ExtIO
					
<ul style="list-style-type: none"> Consists of in-ceiling mount and mounting parts Easy mounting from front Ø 150 mm installation dimension It can be ordered with stainless steel cover 	<ul style="list-style-type: none"> Consists of On-Wall mount and mounting parts Protects the cabling 165 mm x 37 mm 	<ul style="list-style-type: none"> Reinforced dome (3 mm Polyc.) Stainless steel vandalism housing in polished, matt or in powder-coated white, silvergray or black 	<ul style="list-style-type: none"> Weatherproof (IP65) Covers RJ45 wall outlets and Outdoor PatchBox Space for expansion modules (WLAN) 	<ul style="list-style-type: none"> 3 mm stainless steel, white 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts 	<ul style="list-style-type: none"> Microphone/Speaker PIR sensor for motion detection, temperature sensor 2 signal inputs, 2 signal outputs, 2 illuminated buttons

	L22 Super Wide Angle 90°	L32 Wide Angle 60°	L43 Wide Angle 45°	L65 Tele 31°	L135 Tele 15°
Lenses					
	approx. 90°H x 67°V at 10 m appr: 20.0 x 13.3 m	approx. 60°H x 45°V at 10 m appr: 11.5 x 8.2 m	approx. 45°H x 34°V at 10 m appr: 8.2 x 6.1 m	approx. 31°H x 23°V at 10 m appr: 5.5 x 4.0 m	approx. 15°H x 11°V at 10 m appr: 2.6 x 1.9 m

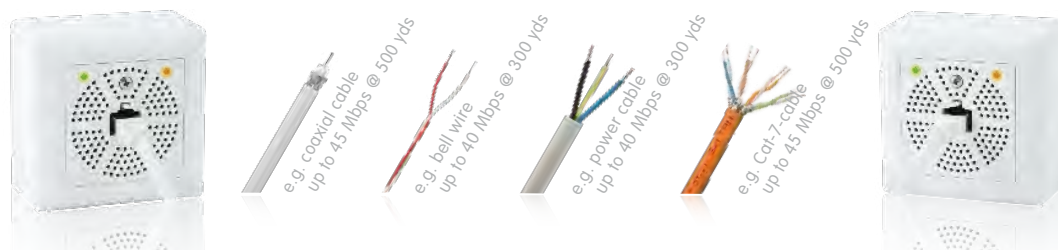
D24 – Compact, Cost-Efficient And With High Resolution

The many, easy-to-replace lens options of the D24 provide a tailored solution for different types of applications. A robust dome camera (IP65) with optional vandal-proof, wall-mount and in-ceiling installation sets.



Ethernet with PoE. Using 2-Wires.

Mx2wire+ turns an existing two-wire cable into a modern multimedia cable – simply, quickly and cost-effectively.



Mx2wire+ – The MOBOTIX Media Converter ...

- Mx2wire+ transfers both data and power according to the PoE standard!
- Mx2wire+ does not require a separate power connection!
- Mx2wire+ uses existing telephone, power or antenna cables and therefore eliminates the enormous amount of time and effort normally required for cabling!
- Mx2wire+ is a quality product designed and manufactured entirely in Germany!

... only \$448 * for the complete set (two Mx2wire+ devices with three exchangeable panel frames)

Multiple Application Possibilities

Mx2wire+ can also connect a PC to the internet via an unused telephone line or an antenna cable. A set of devices, consisting of two Mx2wire+ units, costs \$448. The system was developed by MOBOTIX, manufactured in Germany and can also be used in the new IP door intercom systems.

Technical Specifications Mx2wire+ Media Converter

Models	Mx2wire+ set pure white (additional models in development)	Status display	Status LED 1: Network connection, power supply Status LED 2: Active data transfer via AB wire, user connected to the opposite side
Data transfer speed	Up to 50 Mbps (depending on distance); see table below	Weight	770 g (per packaging unit, set)
Max. range	500 yds (up to 45 Mbps)	Operating temperature	(-22 to +122 °F)
Interfaces	Front: RJ45 (Fast Ethernet, PoE), DC jack Rear: Screw terminals to attach the two-wire cable power supply connection	Dimensions	3,15" x 3,15" x 1,50" (in-wall model) 3,15" x 3,15" x 1,77" (on-wall model)
Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)	Standard delivery	Mx2wire+ media converter set (color: pure white), mounting parts, various panel frames, manual
Power supply (Mx2wire+ & end device)	Feed: PoE, PoE+ or 48-57 V DC Own consumption: 6 W, power output: up to 13 W		

Technical information subject to change without notice!

Mx2wire+

Mx2wire+ set
MX-2wirePlus-Set-PW (pure white)

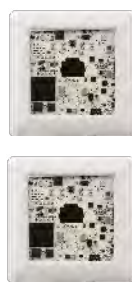


An existing Mx2wire+ set contains all components necessary to set up an Ethernet connection using a two-wire cable (telephone, coaxial, bell wire, Cat. 7).

Each set is supplied with a sender/receiver unit, as well as accessories for in-wall or on-wall assembly and manual. The set is available in pure white at present.

Components (Shipped With Every Mx2wire+ Set)

Circuit board



- 2x Mx2wire+ circuit board and housing

Panel frames



- 6x white concave, convex and flat frames (two of each)

Front panels



- 2x front panel

Surface-mounted Socket



- 2x white surface-mounted socket


Accessories





- 2x cavity socket
- Mounting parts

Comparative Tables For The Transfer Rates Of Data And Power

Antenna or coaxial cable	Thickness	Length		
		50 yds	100 yds	500 yds
	23 AWG Inner conductor	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 11 W	Data: 45 Mbps Power Out: -

Telephone line/bell wire	Thickness	Length		
		50 yds	100 yds	200 yds
	23 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 8 W
	20 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W

Installation cable	Thickness	Length		
		50 yds	100 yds	200 yds
	15 AWG	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W

Network installation cable	Type	Length (Use of All 4 Wire Pairs: Combine 4x white and 4x colored and attach wire-end sleeves)		
		200 yds	300 yds	500 yds
	Cat-7	Data: 50 Mbps Power Out: 13 W	Data: 50 Mbps Power Out: 13 W	Data: 45 Mbps Power Out: 12 W

Mx2wire+ requires a voltage supply by a standard PoE switch (class 0 or class 4, IEEE 802.3af/at) for its own consumption as well as for supplying power to the connected PoE end device. This can either be the NPA-PoE-Set by MOBOTIX or a DC power supply unit (48-57 V, 600mA).

Interface Boxes (IP65)



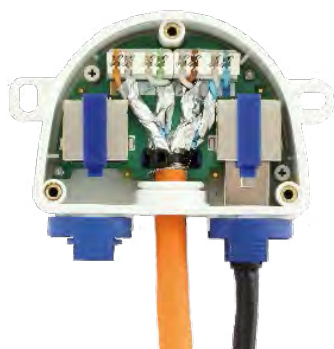
Extended Camera Functionality. Suitable For Outdoors.

The weatherproof MOBOTIX interface boxes (Protection Class IP65, -22°F to +140°F) increase the utility of an entire video system, even in the simplest installation.

All the boxes feature the same interface housing with compact dimensions (approx. 8 cm wide), enabling a concealed installation in a MOBOTIX outdoor wall mount for D14, D24/Q24 and M24 cameras. Every box is delivered complete with mounting parts and instructions.

Weatherproof (IP65) And Compact

All MOBOTIX interface boxes are weatherproof (Protection Class IP65, -22°F to +140°F), easy to mount and have very compact dimensions, which means they can also be installed in the spaces of the Outdoor Wall Mounts.



MX-Patch-Box

This box is an extremely compact network connector that can be used for two different types of connections: Weatherproof connection of the camera's patch cable to a network installation cable (e. g. Cat. 5), or to a second MOBOTIX patch cable (RJ45 connector) for connection to a PoE injector or switch.

... all for just \$ 68*



MX-NPA-Box

The MX-NPA-Box provides a sealed, weatherproof PoE power supply for MOBOTIX cameras or any other network device. This PoE injector (IEEE 802.3af) is suitable for outdoors and is powered by batteries or by standard power supply. The box has a broad input voltage range (12 to 57 VDC), enabling mobile use with vehicle batteries etc.

... all for just \$ 198*



MX-GPS-Box

The MX-GPS-Box provides the external temperature, light intensity and the exact GPS-based system time for one or more cameras. It provides encrypted data transmission via the MxBus two-wire connection between the camera (currently only D14, S14, T24) and the box. For position changes, excess speed, brightness and temperature changes, the GPS-Box can trigger an alarm over the network.

... all for just \$ 278*



MX-232-IO-Box

This box provides two self-powered signal inputs (over 100 m), a 12V signal output and a potential-free signal output. An RS232 interface is provided for connection to weather stations, industrial and heating control systems etc. Connection to the camera takes place via USB or encrypted MxBus two-wire cable (up to 50 m length).

... all for just \$ 248*

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009
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Please Note:

When a T24 Door Station is first installed, the MX-GPS-Box is automatically used as a timer for the entire system. To double the number of signal inputs and outputs, two MX-232-IO-Boxes can be connected to a single camera: one via USB, the other via MxBus.



ExtIO Opens New Horizons For Cameras

The ExtIO can be connected to a camera either directly via USB or through a network and extends the MOBOTIX camera to a high-performance audio unit with microphone and speaker, infrared motion detector, temperature sensor and additional switch in-/outputs. Door and gate intercom systems are easy to implement using the two illuminated buttons.

... starting at \$ 298*

Technical Specifications ExtIO

Interfaces	USB, Ethernet 10/100 Mbps	Status display	2 status LEDs
Audio	Microphone and speaker, integrated amplifier and equalizer, Line-In/Line-Out	Certificates	EMC (EN55022, EN55024, EN61000-6-2, FCC part15B, AS/NZS3548)
Input contacts	2 signal inputs (galvanically separated) Safety extra-low voltage, SELV (AC/DC) Switching voltage of ExtIO provided (also external)	Operating conditions	IP65 (DIN EN 60529)
Output contacts	2 signal outputs (potential-free) Safety extra-low voltage, SELV (AC/DC), up to 100 mA	Operating temperature	-30 to +60 °C (-22 to +140 °F) (DIN EN 50125)
Sensors	Passive IR motion detector (PIR) Temperature sensor for environmental temperature Illumination sensor 2 illuminated buttons	Power supply	USB, Power over Ethernet (IEEE 802.3af; Class 2)
		Power input	typ. 1 W
		Dimensions	Ø x H: 16 x 4,5 cm, compatible with D24 accessories
		Weight	ca. 430 g
		Standard delivery	Housing (high-resistance composites – PBT), white, cable grommets, mounting parts, manual

Technical information subject to change without notice!

ExtIO

ExtIO Extension Module MX-ExtIO



- Microphone/Speaker
- PIR sensor for motion detection, temperature sensor
- 2 signal inputs, 2 signal outputs, 2 illuminated buttons

In-Ceiling Set MX-OPT-IC



- Consists of in-ceiling mount and mounting parts
- Easy mounting from front
- Ø 150 mm installation dimension
- Can be ordered with stainless steel cover

On-Wall Set MX-OPT-AP



- Consists of on-wall mount and mounting parts
- Concealed cabling
- 165 mm x 37 mm

Outdoor Wall Mount MX-OPT-WH



- Weatherproof (IP65) for ExtIO
- Covers RJ45 wall outlets
- Space for expansion modules (WLAN (Wi-Fi))

Pole Mount MX-OPT-MH



- 3 mm stainless steel, white
- 2 stainless steel straps for pole diameter 60-180 mm, incl. mounting parts

ExtIO – Intelligent Technology For Combined Systems

The practical and functional ExtIO module can be easily combined with all MOBOTIX cameras (except M1, M10, D10 and V10) and enables implementing door and gate intercom systems cost efficiently.



Multifunctional. The Compact PoE Injector.

- Direct PC connection without a switch thanks to the crossover function
- Connects to electrical power using a power supply unit
- Suitable for use with power sources from 12 V to 42 V
- Suitable for all PoE-supplied (MOBOTIX) network cameras and Mx2wire+
- Suitable for all standard PoE devices conforming to IEEE 802.3af (e.g., VoIP phone, netbooks, routers etc.)
- Suitable for international use thanks to interchangeable power supply adapters
- Can be connected to the end device using an Ethernet cable up to 100 m in length

... all for just **\$138 ***

Technical Specifications - Power Supply Unit

Connections	1x RJ45 (for adapter), 1x network (up to 4x interchangeable adapter plugs)
Nominal data - input	100 V to 240 V AC, 50 to 60 Hz/400 mA
Nominal data - output	24 V DC/750 mA
Ambient temperature	0 to +40 °C (32 to 104 °F)

Dimensions	LxWxH: 8.5 x 5.2 x 3.9 cm (without adapter plug)
Weight	Approx. 165 g (incl. 1x interchangeable adapter plug)
Special features	Suitable for international use thanks to broad input voltage range and interchangeable power supply adapter plugs (no tools required)
Certificates	VDE 60950, AS/NZS60950, CSA60950, PSE-JQA 60950

Technical Specifications - Adapter

Connections	3x RJ45 (LAN/Power, PC/Power, Camera)
Nominal data - input	12 V to 42 V DC
Nominal data - output	48 V DC; PoE conforming to IEEE 802.3af: PoE classes, 1 to 3 (max. 12.95 W) 16 V input voltage or higher, PoE classes 1 and 2 (max. 6.49 W) at 12 V to 16 V input voltage
Disabling	Less than 10 V input voltage
Ambient temperature	-30 to +60 °C (-22 to 140 °F)

Dimensions	LxWxH: 6 x 5.5 x 2.7 cm
Weight	Approx. 40 g
Special features	Integrated crossover function for direct connection to PC; connection to power supply or battery 12 V or higher, status LED with four states (green/orange/red/off)
Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)

Technical information subject to change without notice!

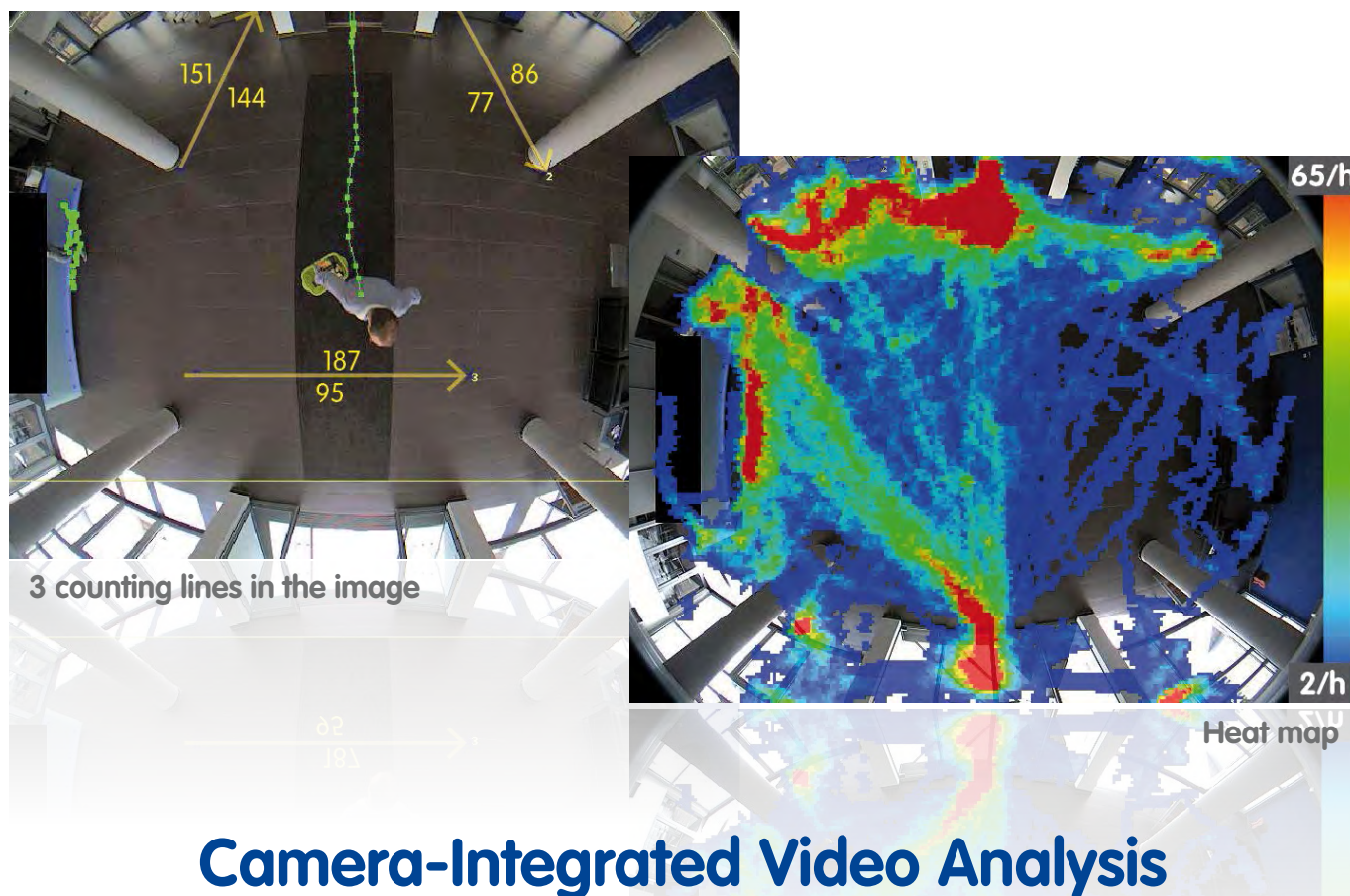
NPA-PoE-Set - Scope Of Delivery And Components

NPA-PoE-Set - Scope Of Delivery And Components					Accessories
NPA-PoE-Set MX-NPA-PoE plus plug  	Plug EU MX-NPA-PoE-EU MX-NPA-PoE-INT 	Plug UK MX-NPA-PoE-INT 	Plug US MX-NPA-PoE-INT 	Plug AUS MX-NPA-PoE-INT 	Connection cable to battery MX-CBL-NPA-BAT-2  <ul style="list-style-type: none"> • Length 2 m • 1x port RJ45 • 1x port +/-

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4857USD, 28.10.2009
Information subject to change without notice! • © MOBOTIX AG

A MOBOTIX Quality Product Made In Germany

The MOBOTIX Network Power Adapter Set (NPA-PoE set) is a high-quality, robust, ultra-compact and, above all, multifunctional PoE injector with three connectors (network, camera/PoE device, PC) and a universal power supply unit with interchangeable adapter plugs.

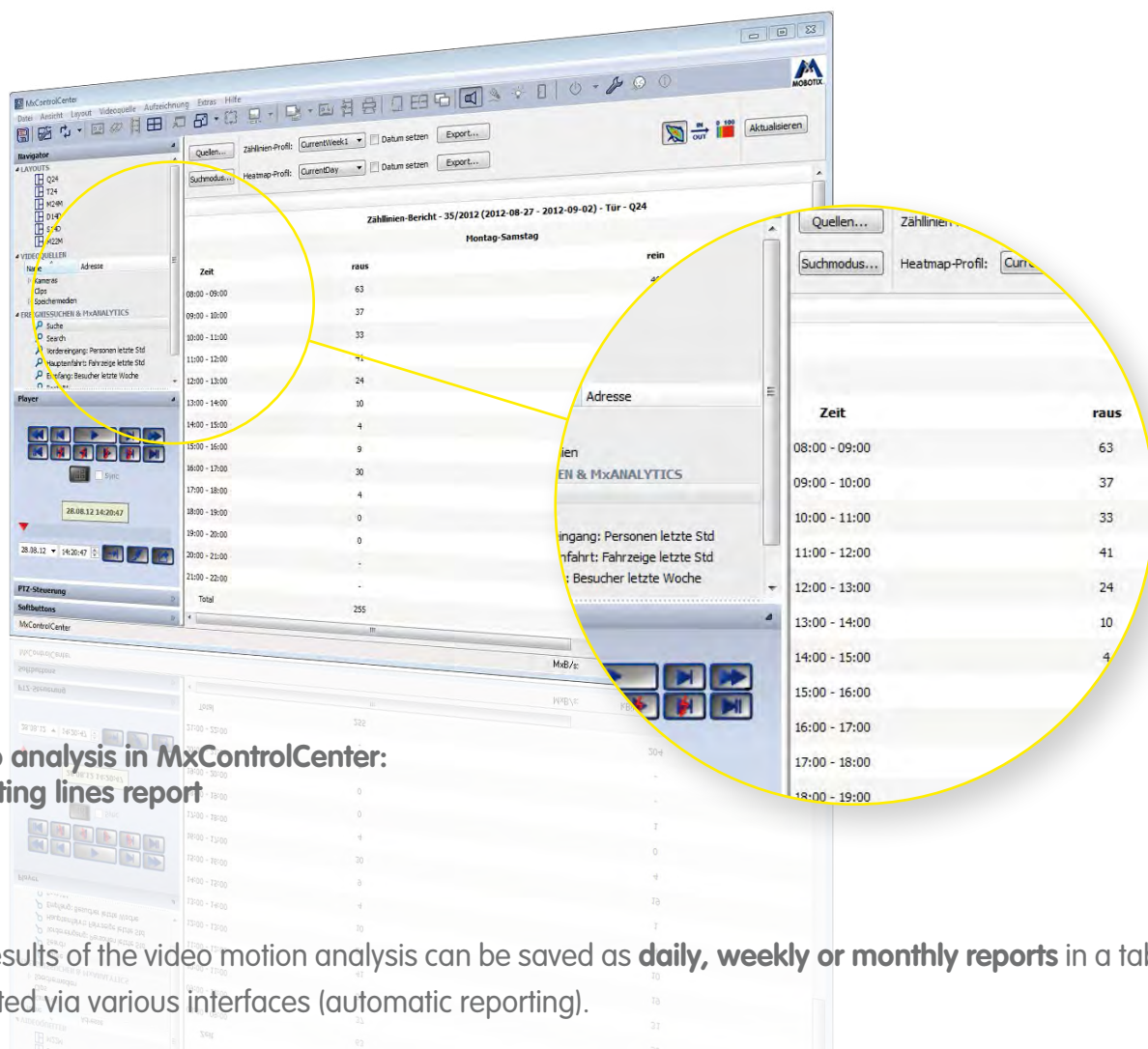


MxAnalytics video analysis tools are now integrated free of charge into the latest camera firmware for all MOBOTIX Secure cameras featuring one image sensor. MxAnalytics makes it possible **to track the movement of people and objects in the image and to collect statistical behavior data**. MxAnalytics is an efficient tool for process optimization or marketing purposes especially in the retail sector in order to receive important information.

Using predefined **counting lines**, the software registers how many persons passed by a certain entrance on a Saturday, for example. The most frequented areas are highlighted in color on a **heat map**. This way, it can be evaluated which shelves in a boutique are attracting the most customers or which artwork in the museum got most attention.

Free-Of-Charge, Camera-Integrated Video Analysis

With the MxAnalytics video analysis tools; MOBOTIX has taken camera-internal image data processing to the next level. The camera reliably captures all moving persons and objects, which can be analyzed according to individual, user-defined criteria.



Technical Specifications MxAnalytics

Cameras	Mono, Secure, with day or night sensor
Camera firmware	Version 4.1.4.11 or higher
Integration	MxControlCenter 2.5.2
Lens	L11 - L135
Camera view	Full image (recommended)
Resolution	VGA (recommended)
Mounting locations	Ceiling mounting in indoor locations (wall mounting not recommended)
Storage destination	MicroSD card, specially formatted for MxAnalytics
Max. storage requirements	1 GB/month (to save MxAnalytics results data daily and around the clock)
Installation height with L11	2,5 – 6 m
Installation height with L22	6 – 10 m

MxAnalytics activation	<ul style="list-style-type: none"> Manual (on/off) Via timetable (for example, Mon.–Fri., 8 a.m. – 6 p.m.) Via camera signal inputs (for example, possible via ExtIO)
Counting precision	Very high when sources of errors such as unsuitable light conditions or insufficient distance between objects (for example, pairs or groups) are minimized
Detection areas	From 1 up to indefinite areas individually definable (with the option to exclude certain areas)
Heat maps and counting lines	Results selectable by report profile, automatic e-mail notification
Report profiles	Freely configurable, predefined default profiles (day/week/month)
Export format	Heat map: JPEG (last live image displayed or reference image), counting lines report: HTML or CSV (table view)

Technical information subject to change without notice!

MxAnalytics Is Available For All Current Mono Cameras (Secure Only):

Q24, D24, M24, S14M, S14D (single sensor module only) and T24.

Professional Video Management Solutions



MOBOTIX Software Free Of Charge

As to be expected from MOBOTIX, the entire software for configuring and operating the camera is either integrated directly into the camera (web browser-controlled camera software) or can be downloaded for Windows/Mac from the MOBOTIX website free of charge (MxEasy and MxControlCenter: www.mobotix.com > Support).


MxControlCenter – Professional Video Management


Instead of using a web browser, you can download and install the free-of-charge MxControlCenter from the MOBOTIX website. This software allows live images from high-resolution MOBOTIX cameras to be displayed quickly with sound. In addition, MxControlCenter can activate alarms with lip-synchronous audio and also enables convenient event searching. The integrated Layout Editor of MxControlCenter allows you to quickly create floor plans by simply dragging and dropping the cameras onto a background image. Load a floor plan as background image, drag and drop the cameras – done.

Software Included In The Camera Price


MxEasy und MxControlCenter are available to camera users as a free download under Support at www.mobotix.com.


IP Cameras M24 And Accessories


MX-M24M-IT	
	
Resolution max.: 1 x VGA (640 x 480)	Max. frame rate MxPEG: 30 fps VGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 32 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$798	


MX-M24M-Sec	
	
Resolution max.: 1 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (excl. lens modules) \$900	

MX-M24M-Sec-Night	
	
Resolution max.: 1 x MEGA (1280 x 960)	Max. frame rate MxPEG: 30 fps MEGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: B/W (Night)	Sensitivity: up to 0,005 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (excl. lens modules) \$900	


MX-M24M-Sec-CSVario	
	
Resolution max.: 1 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: CSVario 24-54mm	Lens options: -
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$1,398	


MX-M24M-Sec-D11	
	
Resolution max.: 1 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: L11 Hemispheric	Lens options: -
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$1,258	

MX-M24M-Sec-Night-N11	
	
Resolution max.: 1 x MEGA (1280 x 960)	Max. frame rate MxPEG: 30 fps MEGA
Standard lens: L11 Hemispheric	Lens options: -
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: B/W (Night)	Sensitivity: up to 0,005 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP66 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$1,258	


Pole/Corner Mount M22/M24	
	
Features: 3mm stainless steel, white • Pole mounting • Pole circumference from 60 to 180mm • 2 x stainless steel straps, screws and washers included	
excl. VAT \$128 (MX-MH-SecureFlex-ESWS)	

L22 Super Wide Angle	
	
Features: L22 90° Super Wide Angle (90° Horizontal angle, 67° Vertical angle), Equiv. to approx. 22 mm on 35 mm systems • Also L32 32° Wide Angle, L43 43° Wide Angle, L65 65° Tele, L135 135° Tele	
excl. VAT \$98 (MX-OPT14-L22)	

Connection Cable ExtIO (5 m) M24	
	
Features: with MiniUSB- > MiniUSB plug • Length: 5 m	
excl. VAT \$28 (MX-CBL-MU-MU-5)	

Ethernet Patch Cable (1 m) M24	
	
Features: 2x RJ45 plug with special MOBOTIX waterproofing • Length 1 m	
excl. VAT \$12 (MX-OPT-CBL-LAN-1)	

ExtIO	
	
Features: Each with 2 In- and Output contacts 8-24V • Microphone with adjustable volume control, speaker, status LEDs • USB interface, illumination sensor • Temperature sensor, 2 buttons • For all cameras except M1, M10, D10 und V10	
excl. VAT \$298 (MX-ExtIO)	

MX-Patch-Box	
	
Features: Weatherproof universal network connector for installation cable, MOBOTIX patch cable and standard patch cable	
excl. VAT \$68 (MX-OPT-Patch1-EXT)	

MX-232-IO-Box	
	
Features: Weatherproof box (IP65) with 12 V power outputs, switches relays without external control voltage • Serial RS232 interface and 2 inputs and outputs each	
excl. VAT \$248 (MX-OPT-RS1-EXT)	


MX-NPA-Box	
	
Features: Weatherproof PoE injector and network connector • Incl. mounting parts	
excl. VAT \$198 (MX-OPT-NPA1-EXT)	


IP Cameras M12 And Accessories





The HiRes Video Company


MOBOTIX


MX-M12M-Web-D43	
	
Resolution max.: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 10 fps 3MEGA
Standard lens: L43 Wide Angle	Lens options: -
Image storage: 12 MB	Internal DVR: -
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, ISDN	
excl. VAT (incl. lens modules) \$998	


MX-M12D-IT-DNight-D43N43	
	
Resolution max.: 2 x VGA (640 x 480)	Max. frame rate MxPEG: 30 fps VGA
Standard lens: 2 x L43 Wide Angle	Lens options: L43, L135
Image storage: 32 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, ISDN, RS232 (D Sub 15 HD socket), 3 x In, 1 x Out	
excl. VAT (incl. lens modules) \$1,198	

MX-M12D-Sec-D22D135	
	
Resolution max.: 2 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 10 fps 3MEGA
Standard lens: L22, L135	Lens options: L22, L43, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, ISDN, RS232 (D Sub 15 HD socket), 3 x In, 1 x Out	
excl. VAT (incl. lens modules) \$1,498	

MX-M12D-Sec-DNight-D43N43	
	
Resolution max.: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 10 fps 3MEGA
Standard lens: 2 x L43 Wide Angle	Lens options: L22, L43, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS, DNight: automatic day/night switching depending on illumination	
Interfaces: 10/100 Ethernet, ISDN, RS232 (D Sub 15 HD socket), 3 x In, 1 x Out	
excl. VAT (incl. lens modules) \$1,498	

MX-M12D-Sec-DNight-D22N22	
	
Resolution max.: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 10 fps 3MEGA
Standard lens: 2 x L22 Super Wide Angle	Lens options: L22, L43, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS, DNight: automatic day/night switching depending on illumination	
Interfaces: 10/100 Ethernet, ISDN, RS232 (D Sub 15 HD socket), 3 x In, 1 x Out	
excl. VAT (incl. lens modules) \$1,598	


MX-M12D-Sec-N22N135-LPF: Special filter	
	
Resolution max.: 2 x MEGA (1280 x 960)	Max. frame rate MxPEG: 14 fps MEGA
Standard lens: L22, L135	Lens options: L22, L43, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)/NPA	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS, LPF: Special filter, which enhances image contrast for automatic license plate recognition	
Interfaces: 10/100 Ethernet, ISDN, RS232 (D Sub 15 HD socket), 3 x In, 1 x Out	
excl. VAT (incl. lens modules) \$1,898	

Pole Mount M12	
	
Features: 3mm stainless steel, white • Pole mounting • Pole circumference from 60 to 180mm • 2 x stainless steel straps, screws and washers included	
excl. VAT \$128 (MX-MH-SecureFlex-ESWS)	


SecureFlex: Wall/Ceiling Mount M12	
	
Features: To be used with SecureFlex Wall Mount • 3 mm stainless steel, white • Weight: approx. 950 g • incl. Mounting straps and screw	
excl. VAT \$68 (MX-WH-SecureFlex)	

Connection Cable CamI/O (0,5 m) M12	
	
Features: Connection cable for M12 camera models (with 4x5 cubic plug > HD-15) • Length: 50 cm	
excl. VAT \$38 (MX-CAMIO-OPT-M12)	


MX-CamIO	
	
Features: Interface for external sensors and equipment (door contact, light, etc.) • 2xRelais-Out, 2xInput, audio • Power supply via network • Compatible with M12 cameras	
excl. VAT \$398 (MX-CamIO-PoE)	


ExtIO	
	
Features: Each with 2 In- and Output contacts 8-24V • Microphone with adjustable volume control, speaker, status LEDs • USB interface, illumination sensor • Temperature sensor, 2 buttons • For all cameras except M1, M10, D10 und V10	
excl. VAT \$298 (MX-ExtIO)	


Connection Cable ExtIO (5 m) M12	
	
Features: with MiniUSB- > HD-15 plug	
excl. VAT \$48 (MX-CBL-HD-MU-5)	


Note: LPF Model	
The MOBOTIX M12 LPF camera has a special optic (long pass filter) that, if combined with an infrared emitter, supplies optimal imaging conditions for automatic licence plate recognition independent of the lighting conditions.	
	
In addition to the sensor with the special optic, the MOBOTIX M12D LPF camera is equipped with a B/W sensor, so that in addition to the image provided for analysis, an overview image is supplied that can be used for evidence (e.g. driver identification).	


IP Cameras D24/Q24 And Accessories


MX-D24Mi-Basic-D22	
	
Resolution max.: 1 x VGA (640 x 480)	Max. frame rate MxPEG: 16 fps VGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 2 MB	Internal DVR: -
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: -
Protection class: IP54 (-20 to +50 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value,	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview	
Interfaces: 10/100 Ethernet	
excl. VAT (incl. lens modules) \$648	

MX-D24M-IT-D22	
	
Resolution max.: 1 x VGA (640 x 480)	Max. frame rate MxPEG: 16 fps VGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 32 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: via ExtIO
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$748	

MX-D24M-Sec/Sec-Night	
	
Resolution max.: 1 x 3MEGA (2048 x 1536) 1 x MEGA (1280 x 960) B/W	Max. frame rate MxPEG: 20 fps 3MEGA 30 fps MEGA
Standard lens: L22 Super Wide Angle	Lens options: L22, L32, L43, L65, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: via ExtIO
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$948	


Q24M-Basic-D11	
	
Resolution max.: 1 x VGA (640 x 480)	Max. frame rate MxPEG: 16 fps VGA
Standard lens: L11 Hemispheric	Lens options: L11, L22
Image storage: 2 MB	Internal DVR: -
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: -
Protection class: IP54 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value	
Sensors: Distortion correction in MxCC, FTP, E-mail, Video alarm management, Multiview	
Interfaces: 10/100 Ethernet	
excl. VAT (incl. lens modules) \$798	

MX-Q24M-Sec-D11	
	
Resolution max.: 1 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: L11 Hemispheric	Lens options: L11, L22
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$998	

MX-Q24M-Sec-Night-N11	
	
Resolution max.: 1 x MEGA (1280 x 960)	Max. frame rate MxPEG: 30 fps MEGA
Standard lens: L11 Hemispheric	Lens options: L11, L22
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: B/W (Night)	Sensitivity: up to 0,005 lux (f=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP65 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, External Storage up to 1 Terabyte on PC/Server/NAS	
Interfaces: 10/100 Ethernet, USB	
excl. VAT (incl. lens modules) \$998	

D22/D24 Vandalism Set	
	
Features: Stainless steel ring (polished or matt, white, gray or black powder-coated) • Composed of a stainless steel ring and safety screws • Reinforced dome (3 mm polycarbonate) • Ideally suited for surveillance in extremely harsh conditions • Weight: approx. 310 g • Delivered without camera	
excl. VAT \$148 (MX-D24M-Vandal)	

D22/D24/Q22/Q24 10° On-Wall Set IP65	
	
Features: Consists of on-wall mount and mounting supplies for inclined installation (10°) of a camera • Reliably protects cabling • Weight: approx. 300 g • Delivered without camera	
excl. VAT \$148 (MX-OPT-AP-10DEG)	

D22/D24/Q22/Q24 Pole/Corner Mount	
	
Features: Can only be used together with outdoor wall mount • Pole thickness can be 60 to 180 mm in diameter • 3 mm stainless steel, white • Weight: 1500 g • Incl. mounting supplies	
excl. VAT \$148 (MX-OPT-MH)	

D22/D24/Q22/Q24 On-Wall Set IP65	
	
Features: Consists of on-wall mount and mounting supplies • Conforms to U.S. installation standards • Reliably protects the cabling and allows the placement of additional modules in the on-wall mount • Weight: approx. 300 g • Delivered without camera	
excl. VAT \$148 (MX-OPT-AP)	

D22/D24/Q22/Q24 In-Ceiling Set	
	
Features: Simple installation from the front • Suitable for discreet surveillance • Weight: approx. 190 g • Delivered without camera • Also available in black	
excl. VAT \$148 (MX-OPT-IC)	


Outdoor Wall Mount D22/D24 IT/Sec	
	
Features: Consists of outdoor wall mount and mounting accessories • Covers RJ45 wall outlets • Space for expansion modules (battery, UMTS, Wi-Fi, etc.) • Easily mounted to poles using pole mount • Weatherproof IP65 • Weight: approx. 540 g (without camera)	
excl. VAT \$148 (MX-OPT-WH)	


IP Cameras D14 And Accessories





The HiRes Video Company

MOBOTIX

MX-D14Di-IT	
	
Resolution max.: 2 x VGA (640 x 480)	Max. frame rate MxPEG: 30 fps / VGA
Standard lens: -	Lens options: L22, L32, L43, L65, L135
Image storage: 32 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP54 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, ext. storage of up to 1 Terabyte auf PC/Server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus	
excl. VAT (excl. lens modules)	\$948

MX-D14Di-Sec	
	
Resolution max.: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: -	Lens options: L22, L32, L43, L65, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP54 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, ext. storage of up to 1 Terabyte auf PC/Server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus	
excl. VAT (excl. lens modules)	\$1,248


MX-D14Di-Sec-180°	
	
Resolution max.: 2 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: L22	Lens options: -
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP54 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, ext. storage of up to 1 Terabyte auf PC/Server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus	
excl. VAT (incl. lens modules)	\$1,628

MX-D14Di-Sec-DNIGHT-D22N22-Fix	
	
Resolution max.: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 20 fps 3MEGA
Standard lens: L22	Lens options: L22, L32, L43, L65, L135
Image storage: 64 MB	Internal DVR: max. 64 GB
Image sensor: Color (Day) / B/W (Night)	Sensitivity: up to 0,005 lux (t=1/1sec)
Power supply: PoE (IEEE 802.3 af)	Internal audio: Micro/Speaker
Protection class: IP54 (-30 to +60 °C)	Operational area: Outdoor, Indoor
Sensors: Video Motion Detection, Illumination value, Temperature, PIR motion detector, Microphone	
Features: FTP, E-mail, Video alarm management, VideoMotion, Multiview, Event search, ext. storage of up to 1 Terabyte auf PC/Server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus	
excl. VAT (incl. lens modules)	\$1,628

D14 Pole/Corner Mount	
	
Features: Powder-coated stainless steel (3 mm) • Pole thickness can be 60 to 180 mm • Incl. mounting supplies	
excl. VAT	\$148 (MX-MH-Dome-ESWS)

D14 Wall Mount	
	
Features: Weather protection (IP65) for D12D dome • Robust thanks to PBT • Covers RJ45 wall outlets and PatchBox • Space for Wi-Fi or GSM/GPRS modules • Including ETH patch cable (1 m)	
excl. VAT	\$148 (MX-WH-Dome)


D14 Vandalism Set	
	
Features: Reinforced dome (3 mm polycarbonate) • Stainless steel vandalism ring (polished, matt, gray, black or white)	
excl. VAT	\$248 (MX-D14-Vandal)

Camera module Day L22	
	
Features: incl. L22 Super Wide-Angle with 90° • Equals 22 mm systems • With day or night lens • Also L32 32° wide angle, L43 43° wide angle, L65 65° Tele, L135 135° Tele • Incl. day or night lens	
excl. VAT	\$190 (MX-D14-Module-D22)

Camera module Night L22	
	
Features: incl. L22 Super Wide-Angle with 90° • Equals 22 mm systems • With day or night lens • Also L32 32° wide angle, L43 43° wide angle, L65 65° Tele, L135 135° Tele • Incl. day or night lens	
excl. VAT	\$190 (MX-D14-Module-N22)


Additional Accessories


PoE Injector Set International	
	
Features: Direct PC connection without a switch thanks to the crossover function • Input voltage: 100-240V~, Output voltage: 24V~/750 mA • Power supply adapter suitable for international use (EU, UK, US, AUS)	
excl. VAT	\$138 (MX-NPA-PoE-INT-Set)


Mx2Wire+ Pure White	
	
Features: Ethernet and PoE via two wire connection • Up to 500 m at 30 Mbps (net) • 7 watts via PoE	
excl. VAT	Set price (2 units) \$448 (MX-2WirePlus-Set-PW)

MX-NPA-Box	
	
Features: Weatherproof PoE injector and network connector • Incl. mounting parts	
excl. VAT	\$198 (MX-OPT-NPA1-EXT)

MX-CamIO	
	
Features: Interface for attaching external sensors and devices (door position sensor, light, etc.) • 2x relays out, 2x input, audio • Power supply via network • Compatible with M12	
excl. VAT	\$398 (MX-CamIO-PoE)

ExtIO	
	
Features: Two input and output contacts 8 to 24V • Microphone with adaptive volume control, speaker, status LEDs • USB interface, illumination sensor, temperature sensor, 2 keys • All camera variants except M1, M10, D10 and V10	
excl. VAT	\$298 (MX-ExtIO)

MX-Patch-Box	
	
Features: Weatherproof universal network connector for installation cable, MOBOTIX patch cable and standard patch cable	
excl. VAT	\$68 (MX-OPT-Patch1-EXT)

Mx-GPS-Box	
	
Features: Weatherproof GPS timer, temperature and brightness sensor • Connection via MxBus	
excl. VAT	\$278 (MX-OPT-GPS1-EXT)

MX-232-IO-Box	
	
Features: Weatherproof box (IP65) with 12 V power outputs, switches relays without external control voltage Serial RS232 interface and 2 inputs and outputs each	
excl. VAT	\$248 (MX-OPT-RS1-EXT)

FlexMount S14D Complete Sets



Components:

S14D FlexMount (Core)



MX-S14D-Sec
S14 camera housing:
Without sensor module, includes
0.5 m patch cable for weatherproof
network connection (IP65) and 4 GB
MicroSD card (built-in)

excl. VAT \$948

Sensor Module, Day



MX-SM-D11-PW
S14D Sensor module L11, Day:
Incl. L11 lens and 3.1 megapixel color
sensor; color: white (PW)

excl. VAT \$448

Extension Set



MX-S14-OPT-MK-CW
S14D Extension set:
Complete set for mounting sensor
modules to the ceiling or wall at a 15°
inclination: incl. 40 mm extension,
locknuts and 15° wedges; color: white

excl. VAT \$48

Sensor Cable



MX-S14-OPT-CBL-2
S14D Sensor cable:
2-meter cables for weatherproof
connection (IP65) of the S14D sensor
modules

excl. VAT \$48

Replacement Dome, hemispheric



MX-OPT-DK-L11
Replacement dome:
Protective screw-on domes for L11
lenses, suitable for the S14D sensor
modules

excl. VAT \$48

MX-S14D-Set1, Day, excl. VAT \$1,448

(camera housing with L11 day sensor module, 2 m sensor cable, extension set, 0.5 m ETH patch cable, replacement dome, color: white)

Set price:
You save \$92



Components:

S14D FlexMount (Core)



MX-S14D-Sec
S14 camera housing:
Without sensor module, includes
0.5 m patch cable for weatherproof
network connection (IP65) and 4 GB
MicroSD card (built-in)

excl. VAT \$948

2 x Sensor Module, Day/Day



MX-SM-D11-PW
2 x S14D Sensor module L11, Day:
Incl. L11 lens and 3.1 megapixel color
sensor; color: white (PW)

excl. VAT each \$448

2 x Extension Sets



MX-S14-OPT-MK-CW
2 x S14D Extension set:
Complete set for mounting sensor
modules to the ceiling or wall at a 15°
inclination: incl. 40 mm extension,
locknuts and 15° wedges; color: white

excl. VAT each \$48

2 x Sensor Cable



MX-S14-OPT-CBL-2
2 x S14D Sensor cable:
2-meter cables for weatherproof
connection (IP65) of the S14D sensor
modules

excl. VAT each \$48

2 x Replacement Dome, hemispheric



MX-OPT-DK-L11
2 x Replacement dome:
Protective screw-on domes for L11
lenses, suitable for the S14D sensor
modules

excl. VAT each \$48

MX-S14D-Set2, Day/Day, excl. VAT \$1,878

(camera housing with two L11 day sensor modules, 2 x 2 m sensor cable, 2 x extension set, 0.5 m ETH patch cable, 2 x replacement dome, color: white)

Set price:
You save \$254



Components:

S14D FlexMount (Core)



MX-S14D-Sec
S14 camera housing:
Without sensor module, includes
0.5 m patch cable for weatherproof
network connection (IP65) and 4 GB
MicroSD card (built-in)

excl. VAT \$948

Sensor Module, Day



MX-SM-D11-PW
S14D Sensor module L11, Day:
Incl. L11 lens and 3.1 megapixel color
sensor; color: white (PW)

excl. VAT \$448

Sensor Module, Night



MX-SM-N11-PW
S14D Sensor module L11, Night:
Incl. L11 lens and 1.3 megapixel B/W
sensor; color: white (PW)

excl. VAT \$448

2 x Extension Sets



MX-S14-OPT-MK-CW
2 x S14D Extension set:
Complete set for mounting sensor
modules to the ceiling or wall at a 15°
inclination: incl. 40 mm extension,
locknuts and 15° wedges; color: white

excl. VAT each \$48

2 x Sensor Cable



MX-S14-OPT-CBL-2
2 x S14D Sensor cable:
2-meter cables for weatherproof
connection (IP65) of the S14D sensor
modules

excl. VAT each \$48

2 x Replacement Dome, hemispheric



MX-OPT-DK-L11
2 x Replacement dome:
Protective screw-on domes for L11
lenses, suitable for the S14D sensor
modules

excl. VAT each \$48

MX-S14D-Set3, Day/Night, excl. VAT \$1,878

(camera housing with two L11 day sensor modules, 2 x 2 m sensor cable, 2 x extension set, 0.5 m ETH patch cable, 2 x replacement dome, color: white)


Set price:
You save \$254


FlexMount S14M And S14D





The HiRes Video Company

MOBOTIX


S14M FlexMount Day	
	
Max. resolution: 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 30 fps / MEGA
Standard lens: L11	Lens options: -
Image storage: 64 MB	Internal DVR: up to 64 GB
Image sensor: Color (Day)	Sensitivity: up to 0,05 lux
Power supply: PoE (IEEE 802.3 af)	Internal audio: -
Protection class: IP65 (-30 up to +60 °C)	Application area: Outdoor, Indoor
Dimensions: 115 x 130 x 33 mm	Weight: approx. 457 g
Sensors: Video motion detection, illumination level, temperature, PIR motion detection	
Features: FTP, e-mail, video alarm management, VideoMotion, MultiView, event search, external storage of up to 1 terabyte on PC/server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus, audio	
MX-S14M-Sec-D11, excl. VAT \$1,098 (Mono camera, incl. L11 lens)	


S14M FlexMount Night	
	
Max. resolution: MEGA (1280 x 960)	Max. frame rate MxPEG: 30 fps / MEGA
Standard lens: L11	Lens options: -
Image storage: 64 MB	Internal DVR: up to 64 GB
Image sensor: S/W (Night)	Sensitivity: up to 0,005 lux
Power supply: PoE (IEEE 802.3 af)	Internal audio: -
Protection class: IP65 (-30 up to +60 °C)	Application area: Outdoor, Indoor
Dimensions: 115 x 130 x 33 mm	Weight: approx. 457 g
Sensors: Video motion detection, illumination level, temperature, PIR motion detection	
Features: FTP, e-mail, video alarm management, VideoMotion, MultiView, event search, external storage of up to 1 terabyte on PC/server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus, audio	
MX-S14M-Sec-Night-N11, excl. VAT \$1,098 (Mono camera, incl. L11 lens)	


Additional Accessories S14M	
Replacement Dome, hemispheric	
	Functions: Protective screw-on dome for L11 lenses, suitable for S14M and the S14D L11 sensor module
excl. VAT	\$48 (MX-OPT-DK-L11)


S14D FlexMount (Core)	
	
Max. resolution: 2 x 3MEGA (2048 x 1536)	Max. frame rate MxPEG: 30 fps / MEGA
Image storage: 64 MB	Internal DVR: up to 64 GB
Power supply: PoE (IEEE 802.3 af)	Audio connection: Ext. microphone/speaker
Protection class: IP65 (-30 up to +60 °C)	Application area: Outdoor, Indoor
Dimensions: 115 x 130 x 33 mm	Weight: approx. 444 g
Sensors: Video motion detection, illumination level, temperature, microphone	
Features: FTP, e-mail, video alarm management, VideoMotion, MultiView, event search, external storage of up to 1 terabyte on PC/server/NAS	
Interfaces: 10/100 Ethernet, RS232 (via MOBOTIX interface box), MiniUSB, MxBus, audio	
MX-S14D-Sec, excl. VAT \$948 (excl. sensor module)	
(excl. sensor modules)	


Additional Accessories S14D And S14M


S14D Sensor Cable (2 m)	
	Functions: 2-meter cable for weatherproof connection (IP65) of an S14D sensor module
excl. VAT	\$48 (MX-S14-OPT-CBL-2)


Ethernet Patch Cable (1 m)	
	Functions: Patch cable for weatherproof connection (IP65) to S14 • length: 1 m
excl. VAT	\$12 (MX-OPT-CBL-LAN-1)


Connection Cable MiniUSB to MiniUSB (5 m)	
	Functions: Cable for weatherproof connection (IP65) of MOBOTIX extension modules (MX-232-IOBox, ExtIO, CamIO • two straight connectors (STR) • length: 5 m
excl. VAT	\$28 (MX-CBL-MU-STR-5)

Mx-GPS-Box	
	Features: Weatherproof GPS timer, temperature and brightness sensor • Connection via MxBus
excl. VAT	\$278 (MX-OPT-GPS1-EXT)

MX-NPA-Box	
	Functions: weatherproof PoE injector and network connector • Incl. mounting parts
excl. VAT	\$198 (MX-OPT-NPA1-EXT)

MX-Patch-Box	
	Features: Weatherproof universal network connector for installation cable, MOBOTIX patch cable and standard patch cable
excl. VAT	\$68 (MX-OPT-Patch1-EXT)

MX-232-IO-Box	
	Features: Weatherproof box (IP65) with 12 V power outputs, switches relays without external control voltage Serial RS232 interface and 2 inputs and outputs each
excl. VAT	\$248 (MX-OPT-RS1-EXT)

S14D Sensor Module	
	
All sensor modules can be freely positioned. With day or night lenses, 3.1 megapixel color sensor and shock-resistant dome (transparent) • Color: white (PW) or black (BL)	

L11 Hemispheric Sensor Module Day/Night	
Functions: 90° super wide angle (90° horizontal angle, 67° vertical angle) • corresponds to 22 mm camera format	
MX-SM-D11-PW (white)	\$448
MX-SM-D11-BL (black)	\$448
MX-SM-N11-PW (white)	\$448
MX-SM-N11-BL (black)	\$448

L22 Super Wide Angle Sensor Module Day/Night	
Functions: 90° super wide angle (90° horizontal angle, 67° vertical angle) • corresponds to 22 mm camera format	
MX-SM-D22-PW (white)	\$348
MX-SM-D22-BL (black)	\$348
MX-SM-N22-PW (white)	\$348
MX-SM-N22-BL (black)	\$348

L32 Wide Angle Sensor Module Day/Night	
Functions: 32° wide angle (60° horizontal angle, 45° vertical angle) • corresponds to 32 mm camera format	
MX-SM-D32-PW (white)	\$348
MX-SM-D32-BL (black)	\$348
MX-SM-N32-PW (white)	\$348
MX-SM-N32-BL (black)	\$348

L43 Wide Angle Sensor Module Day/Night	
Functions: 43° wide angle (45° horizontal angle, 34° vertical angle) • corresponds to 43 mm camera format	
MX-SM-D43-PW (white)	\$348
MX-SM-D43-BL (black)	\$348
MX-SM-N43-PW (white)	\$348
MX-SM-N43-BL (black)	\$348

L65 Tele Sensor Module Day/Night	
Functions: 65° tele (31° horizontal angle, 23° vertical angle) • corresponds to 65 mm camera format	
MX-SM-D65-PW (white)	\$348
MX-SM-D65-BL (black)	\$348
MX-SM-N65-PW (white)	\$348
MX-SM-N65-BL (black)	\$348

L135 Tele Sensor Module Day/Night	
Functions: 135° tele (15° horizontal angle, 11° vertical angle) • corresponds to 135 mm camera format	
MX-SM-D135-PW (white)	\$348
MX-SM-D135-BL (black)	\$348
MX-SM-N135-PW (white)	\$348
MX-SM-N135-BL (black)	\$348

Lens Details

Lens Table							
Article Number	L11	L22	L32	L43	L65	L135	CS-Vario
Original image							
35mm equivalent	11 mm	22 mm	32 mm	43 mm	65 mm	135 mm	24 - 54 mm
Focal length	1.8 mm	4 mm	6 mm	8 mm	12 mm	25 mm	4.5 - 10 mm
Aperture (F)	2.0	2.0	2.0	2.0	2.0	2.5	1.6 - 2.3
Image angle horizontally	180°	90°	60°	45°	31°	15°	73° - 37°
Image angle vertically	160°	67°	45°	34°	23°	11°	58° - 28°
Distance 1 m (3')	m	m	m	m	m	m	m
• Image width	endless	2.0	1.1	0.8	0.5	0.3	1.5 - 0.7
• Image height	11	1.3	0.8	0.6	0.4	0.2	1.1 - 0.5
Distance 5 m (15')	m	m	m	m	m	m	m
• Image width	endless	10.0	5.7	4.1	2.7	1.3	7.4 - 3.3
• Image height	55	6.6	4.1	3.0	2.0	1.0	5.5 - 2.5
Distance 10 m (30')	m	m	m	m	m	m	m
• Image width	endless	20.0	11.5	8.2	5.5	2.6	14.8 - 6.7
• Image height	110	13.3	8.2	6.1	4.0	1.9	11.1 - 5
Distance 20 m (60')	m	m	m	m	m	m	m
• Image width	endless	40.0	23.0	16.4	11.0	5.2	29.6 - 13.3
• Image height	220	26.6	16.4	12.2	8.0	3.8	22.2 - 10
Distance 50 m (150')	m	m	m	m	m	m	m
• Image width	endless	100.0	57.5	41.0	27.5	13.0	74 - 33.3
• Image height	550	66.0	41.0	30.5	20.0	9.5	55 - 25

Available Lenses	L11 Day	L11 Night	L22 Day	L22 Night	L32 Day	L32 Night	L43 Day	L43 Night	L65 Day	L65 Night	L135 Day	L135 Night	CSVario Day	CSVario Night
D24Mi-Basic-	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
D24M-IT-	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
D24M-IT-Night-	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
D24M-Sec-	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
D24M-Sec-Night-	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
M24M-IT-	-	-	D22	-	D32	-	D43	-	D65	-	D135	-	-	-
M24M-IT-Night-	-	-	-	N22	-	N32	-	N43	-	N65	-	N135	-	-
M24M-Sec-	D11	-	D22	-	D32	-	D43	-	D65	-	D135	-	CSVario	-
M24M-Sec-Night-	-	N11	-	N22	-	N32	-	N43	-	N65	-	N135	-	CSVario
M12M-Web-	-	-	-	-	-	-	D43	-	-	-	-	-	-	-
M12D-IT-DNight-	-	-	-	-	-	-	D43	N43	-	-	D135	N135	-	-
M12D-Sec-	-	-	D22	-	-	-	D43	-	-	-	D135	-	-	-
M12D-Sec-DNight-	-	-	D22	N22	-	-	D43	N43	-	-	D135	N135	-	-
D14Di-IT	-	-	D22	N22	D32	N32	D43	N43	D65	N65	D135	N135	-	-
D14Di-Sec-	-	-	D22	N22	D32	N32	D43	N43	D65	N65	D135	N135	-	-
D14Di-Sec-180	-	-	D22	N22	-	-	-	-	-	-	-	-	-	-
Q24M-Basic-	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
Q24M-Sec-	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
Q24M-Sec-Night-	-	N11	-	N22	-	-	-	-	-	-	-	-	-	-
S14M-Sec-	D11	N11	-	-	-	-	-	-	-	-	-	-	-	-
S14D-Sec-	D11	N11	D22	N22	D32	N32	D43	N43	D65	N65	D135	N135	-	-
T24M-Sec-	D11	-	-	-	-	-	-	-	-	-	-	-	-	-
T24M-Sec-Night-	-	N11	-	-	-	-	-	-	-	-	-	-	-	-

Product Preview



Similar appearance

- 10MEGA (2 x 5 megapixel)
- Radar module
- Thermal sensor
- FlexMount exchangeable lenses

M15 Dual Camera

Successor Of The Successful M12/M10/M1

Today, even after ten years of service, MOBOTIX M1 cameras are still successfully in use. The current M12 continues to use the original camera housing, which has proven impervious to even the most challenging weather conditions. Now the M15, the successor of the globally acclaimed original MOBOTIX camera that has been installed hundreds of thousands of times, is taking shape with features that include a dual lens system and automatic day-night switching. Again, MOBOTIX customers can expect yet another new milestone in dual camera technology.



MX-NPS3 Network Power Switch

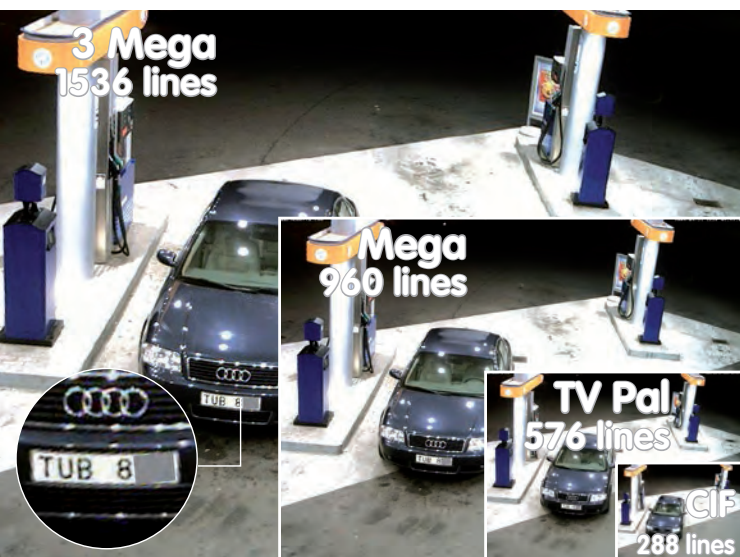
The **weatherproof PoE switch** can be used to connect and supply power to up to three IP cameras or end devices using a single network cable. **The device also provides MxBus, MiniUSB, Line In/Out, RS232 and NMEA interfaces, in addition to an integrated microphone and speaker.**

With its **galvanically isolated ports**, the MX-NPS3 meets the requirements of the **Mode B Standard** for a PoE switch approved for use in outdoor areas.

The PoE switch is supplied with power either directly over the network cable (PoE/PoE+) or using an external power supply or battery (12–57 V DC). An additional 12V battery may be attached as an emergency power supply in the case of a power failure. The PoE switch includes a USB port for one of the three cameras, which can be used to fit a UMTS USB modem, WLAN (Wi-Fi) USB connector or flash drive for wireless connectivity.

The MOBOTIX Concept

Was Somewhat Out Of Ordinary ...



HiRes Video Innovations And Technology Leader

The German company MOBOTIX AG is known as the leading pioneer in network camera technology since its founding in 1999, and its decentralized concept has made high-resolution video systems cost efficient.

MOBOTIX has been producing megapixel cameras exclusively for many years now and is regarded as **the global market leader for high-resolution video systems**.

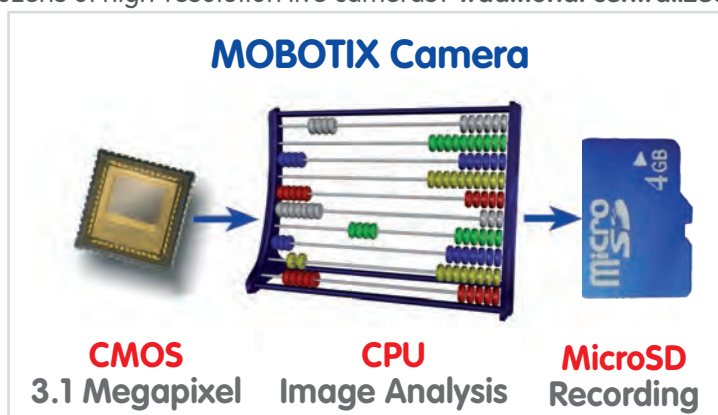
Why High-Resolution Systems?

The higher the resolution, the more accurate the detail in the image. With analog technology, a recorded image generally has no more than 0.1 megapixels (CIF). **One**

single MOBOTIX camera with 3.1 megapixels records around 30 times more detail. As a result, larger image areas with up to 360° allround views are possible, thus reducing the number of cameras, and therefore the costs. For example, four lanes of a gas station can be recorded with one MOBOTIX camera instead of four conventional cameras.

Disadvantages Of The Old Centralized Standard Solution

Usually, cameras only supply the images while the processing and recording is done later on a central PC using expensive video management software. This traditional centralized structure has many limitations, since it requires high network bandwidth and the PC processing power is not enough for several cameras. An HDTV MPEG4 film already puts considerable strain on a PC, so how can it be expected to process dozens of high-resolution live cameras? **Traditional centralized systems are therefore less suitable and unprofitable when compared with high-resolution systems due to the high number of PCs needed.**



Network Video

MOBOTIX has redefined video. Whether on the Internet, in traffic management, building surveillance or banking environment, the MOBOTIX camera is connected to the network like a printer and live and recorded images can then be retrieved from any PC without installing any software.

... Is The Benchmark Today

The Decentralized MOBOTIX Concept

Unlike other systems, **with the decentralized MOBOTIX concept, a high-speed computer** and if necessary, digital **long-term memory (MicroSD Card)** is built into every camera, providing several days of recording time. The PC and the video control center now serve only for viewing and controlling the cameras (PTZ), not for analysis or recording. This makes it unnecessary to purchase expensive video management software, as the most important and computer-intensive functions are already integrated in the MOBOTIX cameras.



The Benefits

MOBOTIX video solutions therefore require significantly:

- **fewer cameras** due to the more accurate detail of panoramic images with megapixel technology,
- **fewer storage devices**, because in the decentralized system, 10 times the standard number of cameras can simultaneously store high-resolution HDTV video with sound on one PC/server,
- **lower network bandwidth**, because everything is processed in the camera itself and the high-resolution images therefore do not have to be constantly transferred for analysis.

Robust And Low-Maintenance

MOBOTIX cameras have neither mechanical motors for lenses nor for movement. Without any moving parts, they are therefore so robust that maintenance is reduced to a minimum. The unique temperature range from -30 to +60 °C (-22 to +140 °F) is achieved without heating or a fan at only 3 watts. Since no PC hard disk is required for recording, there are no parts that wear out in the entire video system.

Standardized Network Technology

The networking of cameras incl. power supply is encoded and occurs via a normal computer network and not via video cable. This has the advantage of connecting from anywhere in the world with glass, copper or even wireless access using affordable standard IT technology components.

Innovative Hemispheric Technology

The **MOBOTIX** ...

Perfect Room Overview

With the innovative MOBOTIX Hemispheric Technology, an entire room can be ideally monitored. For instance, one single, and particularly elegant and discreet Q24 hemispheric camera replaces the time-consuming and expensive installation of several standard cameras. This camera, a world first, is evidence of the MOBOTIX commitment to innovation as the global leader in megapixel video security systems.

High-Resolution 180° Panorama

When several cameras are monitoring a single room, it is difficult to understand the room layout due to the different viewing directions of each camera. This makes it hard to comprehend the overall setting. **The new panorama function of the Q24 delivers a widescreen image of a high-resolution 180° allround view.** High image quality is achieved through the use of a 3.1 megapixel sensor and the new hemispheric lens of the Q24.



- **No blind spots** from wall to wall and from floor to ceiling
- Ideal for securing **a room** or entrance area **with only one camera**
- The hemispheric camera also delivers two (opposite) **double panorama images**
- **Fewer cameras, less cabling, lower costs and more discretion**
- **All objects in view of the observer** – in contrast to a conventional solution with multiple cameras
- High image quality thanks to the **high-resolution megapixel sensor (3 megapixel color sensor or highly-sensitive megapixel black and white sensor for low-light conditions)**

Very Simple Installation

Just install the camera on the ceiling, wall or pole, connect the network cable or wireless module, and you're done! Probably no other camera can be connected more quickly or easily than a MOBOTIX camera. And because fewer cameras are needed, the installation costs drop even further.

... Hemispheric Camera

Virtual PTZ – Without Motor

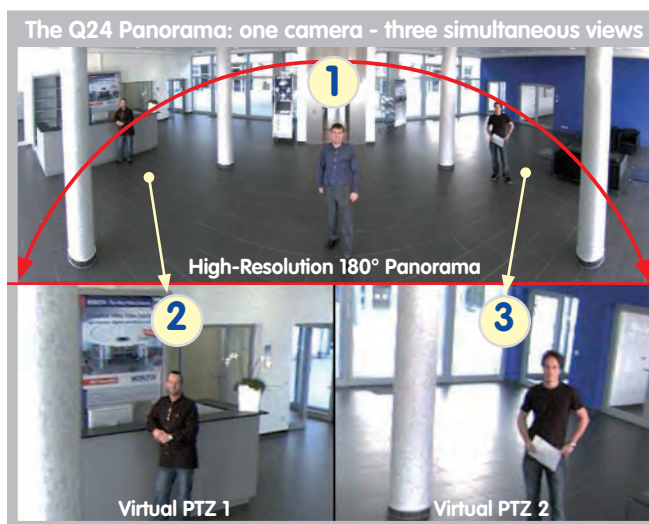
The Q24 also zooms in on details. The image of the hemispheric camera can be continuously enlarged and any image section examined using a joystick, for example. Thus you have a **mechanical PTZ camera without the maintenance or wear and tear**.

While zooming into a section in the live image, a full image can be stored in the recording for later analysis. No PTZ-camera in the world that operates with a motor can do that!



One Camera, More Views

The surround function of the Q24 (**ceiling mounted**) immediately replaces four **conventional cameras** and shows four different directions simultaneously in quad view on a monitor. **Virtual PTZ is available for each of the four views**. Together with the 180° panorama, the Q24 can deliver two more views simultaneously, making it possible to see the overview and to focus on two scenes at the same time (Display Mode ‚Panorama Focus‘).



Highly User Friendly

The full image from a hemispheric lens (fisheye) is difficult to analyze. MOBOTIX solves this problem by straightening the uneven lines from the camera software perfectly already the live image. The user PC does not experience any additional strain as a result of this process, as image correction and generation of all desired image views takes place in the camera itself. Thus it is possible to display a large number of panoramic cameras simultaneously on a single PC.

Software Included

With MOBOTIX, the software for controlling the camera and searching for events can be used at no charge. You can easily control the video system from any standard PC. This even works worldwide via a DSL Internet connection.

The Superior MOBOTIX ...

MOBOTIX Storage Concept Without Bottlenecks

These days, video data is normally pre-processed and stored centrally on a PC or digital video recorder (DVR) using video management software. Video and audio streams from all installed cameras are directed to this central device. In this case, using high-resolution cameras often results in data jam. Above all, storage is inefficient, because if the PC has limited computing power, the high-resolution video with a high frame rate must be sent directly to a storage device before it can be processed.



Standard system requires an extra PC including software for analysis and storage

If, like with MOBOTIX cameras, the camera adjusts the image format and the frame rate to the correct values for the specific application (at a gas station, two frames per second are enough for the recording), it relieves the load both of the network and of the recording device (PC, server). MOBOTIX cameras can of course also minimize the recording independent of the live video, and the sound channel is recorded even with video recordings of two frames per second.

No Storage Limit

The decentralized MOBOTIX concept enables the user to save around 10 times the number of cameras on a single storage device because the camera manages the recording itself (on a PC, server, NAS), thus reducing load on the device. For this reason, practically speaking, there is no memory limit for the entire system because theoretically, each camera is able to manage its own terabyte-sized storage device via the network. Another benefit of this concept is the use of affordable, reliable NAS drives that do not require any special software.

Choose Your Storage Location

Every single MOBOTIX camera can be configured to record internally or externally via the network. If necessary, a USB stick can be connected by cable directly to the camera, but on the other side of the wall, where it cannot be stolen.

... Storage Solution

SD Card Memory Reduces Storage Costs

MOBOTIX cameras are also able to store up to 64 GB of video in their integrated memory. Thanks to this high storage capacity and the option of recording only the sequences in which an event occurs, external storage devices such as hard drives are rarely required. This saves on storage devices and network infrastructure and reduces the maintenance cost of mechanical components such as hard drives or fans. The internal SD cards (flash memory) are digital and since they do not have mechanical components, they are maintenance-free.

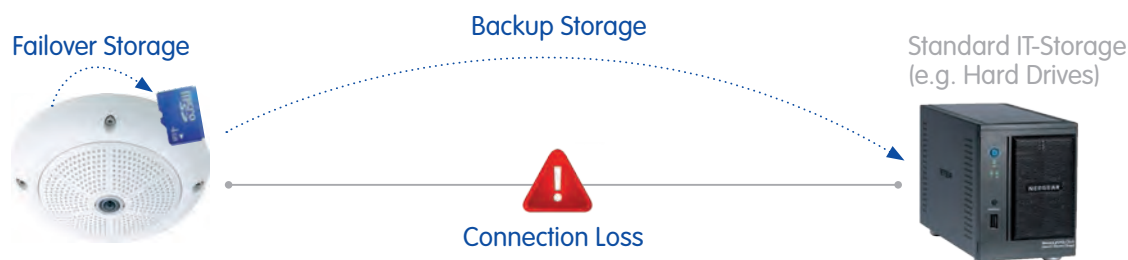


A single 64 GB SD card has space for:

- 2 weeks of continuous recording from four gas station lanes
- 4 days of video in TV quality
- 200,000 clips of 10 s each in high-resolution
- 2 million images

Ideal For Difficult Network Conditions Or WLAN

MOBOTIX cameras are ideal for difficult network conditions or WLAN connections because the internal flash storage bridges network failures or bandwidth fluctuations and synchronizes data when a connection is re-established with the external storage device.



MOBOTIX systems are decentralized and secure, even without a PC for storage

The option of backing up the internal memory at preset times (for example, at night) reduces the load on the network and, in many cases, enables shared use of the existing network infrastructure (available soon via software update).

MOBOTIX Saves Only What Is Necessary

Only relevant image detail (fading out sky, ceiling etc.); only relevant events (e.g. movement in the image); long-term recording only with temporarily increased frame rate during event, but no storage limitations in the MOBOTIX system thanks to modern NAS storage technology.

The **MOBOTIX** ...

Q24 Panorama: one camera - three simultaneous views



Robust, Low-Maintenance Technology

The real added value of increased functionality is reflected in product features such as **long product life and robust construction**. In general, MOBOTIX cameras have no mechanical moving parts. This makes the cameras very resistant to wear and tear and reduces both maintenance costs and power consumption.

Alarm Management And Forwarding

Integrated sensors enable MOBOTIX cameras to recognize when an event has occurred. If necessary, the cameras will respond immediately with an alarm tone and establish a direct video and sound connection to the headquarters or to a security guard.

Absolute Data Security

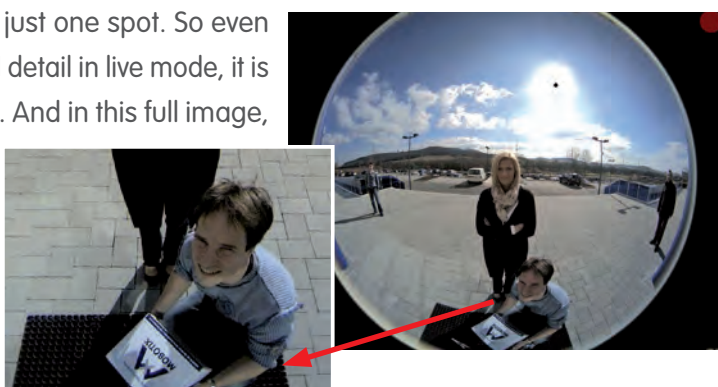
The security barriers built into the camera are extremely secure. The camera images are only accessible to authorized persons and are encrypted via SSL when they are transferred over the network.

Notification Of Failure

Your MOBOTIX video management system will automatically report any impairment or failure of single network components (e.g. cameras). This ensures maximum reliability and readiness for use.

Subsequent Searches

Events rarely confine themselves to just one spot. So even when you are looking at an enlarged detail in live mode, it is always a full image that is recorded. And in this full image, any section can always be enlarged later or whenever necessary.



MxControlCenter Software

In addition to the normal control center functions such as displaying and searching for events and reporting alarms, the professional video management software MxControlCenter from MOBOTIX also provides functions for efficient installation and management of large-scale camera systems.

... Added Security Value

Sound Increases The Chance Of Detection

In the event of an alarm, **MOBOTIX** cameras can turn on their built-in microphones and record **lip-synchronous sound**. They are therefore an even greater help in analyzing a situation and easing clarification. In addition, the video system can be used for bidirectional communication via a speaker/microphone.

No Problems With Backlighting

MOBOTIX cameras are not affected by glare from direct sunlight. They deliver meaningful, detailed images all the time because the camera software supports easy programming of **independent exposure windows** to cope with specific situations. This makes them ideal for front offices with large glass fronts.



Vandalism-Proof Models

In critical environments or for outdoor use, it is often best to choose **vandalism-proof** MOBOTIX cameras. Their steel housing resists even severe attacks while the camera delivers a perfect picture of the attacker.

Overview: MOBOTIX Security Benefits

- High-resolution, detailed camera images
- Direct connection to the camera in the event of an alarm
- Transfer of images without loss of time
- Greater deterrence due to improved chance of detection
- Secure system with authorized access only
- Authentic video and sound recording (lip-synchronous)



Keeping Track Of All Alarms

The alarm search capability combines various functions that make it much easier to look for events. You can search for events across several cameras with automatically synchronized time tracking. The event that triggered an alarm can be analyzed in more detail in the event view.

Total Costs Make The Difference

Less Hardware ...

Video Management Software For No Cost At All, But...

... isn't the entire system with the necessary hardware and software very expensive all the same?

Clear answer: No! The high-resolution MOBOTIX systems with fewer cameras, less installation and fewer recording devices (servers) offer unbeatable value for the money.

While many people still believe that IP cameras do not become more cost efficient than an analog system until a relatively high number of cameras is purchased, MOBOTIX proves that even small installations can be implemented extremely cost efficiently with a high-resolution system.

Fewer Cameras Thanks To Higher Resolution

The more accurate detail of megapixel technology requires fewer cameras compared to conventional solutions.

A MOBOTIX camera delivers up to 30 times more details than analog systems and replaces as many as six standard cameras



Less Cabling

Because MOBOTIX cameras are simply connected via the network cable and are simultaneously supplied with energy, their installation is significantly simpler, faster and more economical than in all other camera systems.

Less Network And Storage Load

MOBOTIX cameras can record on flash memory devices (such as MicroSD cards) to help reduce the load on the network. Through the camera's efficient internal software, MOBOTIX allow a standard network storage medium to have enough capacity to record 10 times more cameras than is ordinarily the case



... Less Costs

Conventional video system	MOBOTIX complete HiRes solution		
Cameras			
3x dome cameras	2,700	1x (store/cash register)	798
4x cameras with weather protection	4,000	1x D24M (4 gas pumps)	748
2x cameras with weather protection	2,000	2x D24M (car wash)	1,496
1x mechanical dome camera	2,300	1x M24M-Sec (repair shop)	798
2x day/night cameras	2,200	1x M12DNight (car dealership)	1,398
Costs	13,200		5,238
Network infrastructure			
500 m coaxial cabling	1,000	300 m CAT 5 cabling	600
500 m power supply cabling	1,000	1x 8-port switch	500
Costs	2,000		1,100
Camera software / licenses			
Costs	1,000		0
Central recording		Internal video recording	
DVR system + software	4,900	6x SD card 4 GB incl.	0
Total costs	21,100		6,338

All figures in euros • Material costs without installation

Savings 70%

This example is based on an **average gas station with four lanes, store, car wash and repair shop**. The left column shows the costs of a conventional centralized storage video systems while the right column shows the costs of MOBOTIX. According to the calculations in this example, the savings with MOBOTIX come to 70% - the reasons are simple: **Fewer cameras thanks to more detail, no software costs, no additional data storage devices, no weatherproof housing with heating and less cabling.**

MicroSD Card With 64 GB Offers Plenty Of Storage Space

In a MOBOTIX camera, 64 GB of internal storage is sufficient for two weeks of 24/7 surveillance of four gas station lanes, four days of video in TV quality, 200,000 10-second clips in high resolution, or two million individual images.

A Strong Partner ...

Complete HiRes Video Solutions high-resolution, digital and cost-effective recording



HiRes Video Innovations

The German company MOBOTIX AG is known as the leading pioneer in network camera technology since its founding in 1999, and its **decentralized concept has made high resolution video systems cost efficient**. Whether in embassies, airports, train stations, ports, gas stations, hotels or on highways – over hundred thousand MOBOTIX video systems have been in operation on every continent for years.

Pioneer In Network Camera Technology

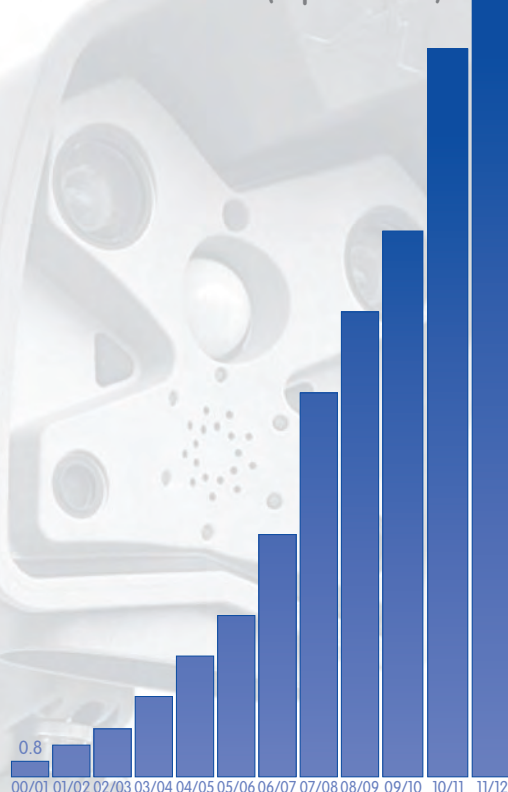
In just a short time, MOBOTIX has climbed to second place in Europe and fourth place worldwide in terms of market share. MOBOTIX has been exclusively manufacturing Megapixel cameras for many years now and is regarded as **the global market leader in high-resolution video systems**.

In the **decentralized MOBOTIX concept**, every camera has an integrated high-speed processor and, if needed, a digital memory device (MicroSD/SD card) for long-term recording.

MOBOTIX cameras can make event-driven recordings even without a central PC or DVR and can digitally store videos in the long term with sound. This is why MOBOTIX solutions represent an unbeatably good value with their excellent image quality, even for small-scale installations.

MOBOTIX Growth

Revenue In Fiscal Year (September 30)



2011/12 Sales

81.6 Million Euro

Sales Growth

+ 12 %

... Checklist For Video Surveillance

Compare Us!

Use this helpful decision guide: answer the individual questions to compare MOBOTIX directly with another vendor of your choice.

	MOBOTIX	Other vendor
Excellent image quality? MOBOTIX cameras deliver resolution of up to 3.1 Megapixels (2048 x 1536 pixels) in color, and thus sharp images in HDTV quality.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Great detail? License plates can be clearly identified with up to 8x digital zoom and actions can be completely documented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Large Image acquisition area? A combination of Megapixel technology and a Wide Angle lens provides a large field of vision. One single MOBOTIX camera can monitor four gas station lanes at the same time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Perfect overview? With a special lens and image post-processing method, one single MOBOTIX 360° camera (Q24M) can record an entire room (such as a store) without any blind spots.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Weatherproof housing included? MOBOTIX security cameras feature up to IP66 weatherproofing and do not require a heater or a fan. They can be used in Temperatures ranging from (-22 to +140 °F).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Very simple installation? MOBOTIX reduces cabling effort. The same cable is used to supply power to the camera (PoE) and transfer video data from the camera.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Free software updates? Whenever the software is updated, MOBOTIX makes it available free of charge. This keeps older systems up to date.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No mechanical moving parts? No mechanical parts such as motorized zoom, aperture, fans and pan/tilt/zoom elements means extremely low maintenance and operating costs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Free support included? The MOBOTIX support hotline will always help you with technical experts at normal landline phone rates.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Direct storage in the camera? Smart image processing and storage management in the camera save on system resources and ensure easy scalability.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Annual Net Income
13.7 Million Euro

EBIT Margin
23 %



Sales- Planning- & Installation-Workshop

The **Workshop** communicates knowledge of economically and technically reasonable planning of MOBOTIX camera systems.

Starter Seminar "Professional Applications with MxEasy"

The **Starter Seminar** communicates the complete knowledge necessary to set up private and business projects of up to 16 cameras in a time and cost saving manner without profound knowledge of networks.

Basic Seminar "IP Video Systems"

The **Basic Seminar** is a two-day intensive course on using the decentralized MOBOTIX system in a professional application. The focus is on installation and application of a high-resolution security system using the latest video management software MxControlCenter.



www.mobotix.com > Seminars

MOBOTIX Training And Seminars

MOBOTIX has a modern, fully equipped training center at its headquarters in Langmeil. The practice-oriented and 3-day training concept addresses customers, security companies, sales partners as well as everyone interested. For further information and online registration, please visit www.mobotix.com



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