

Complete HiRes Video Solutions

high-resolution, digital & cost-effective recording



HiRes

3 Megapixel2048 x 1536
Software zoom

Skyline

Format freeEach image format
freely definable**30 Frames/s**VGA (640 x 480)
30 F/s Mega**Virtual PTZ**Digital pan, tilt,
zoom**Backlight**Safe using CMOS
without mechanical iris**Internal DVR**Internal via Flash,
external via Network

Win/Lin/Mac

Recordingvia Network on PC
up to 1 Terabyte

Microphone & speaker

Audiobi-directional via IP,
variable framerates

SIP-Client with video

IP TelephonyAlarm notify,
cam remote control**VideoMotion**Multiple windows
precision pixel-based

-22 to +140 °F

Weatherproof-30 to +60 °C, IP65,
no heating necessary

IEEE 802.3af

PoENetwork power
even in winter**Robust**No moving parts
fiber glass housing

MxCC/MxEasy

Licence freeVideo-Management-
Software**HiRes Video Innovations**

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

MOBOTIXAG • PegasusBusinessPark • CastleDonington, DE745TZ • Tel: +448448000657 • uk-sales@mobotix.com

The MOBOTIX Concept

Was Somewhat Out Of Ordinary ...

HiRes Video Innovations

MI2D-Secure: Outdoor Day&Night



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, railway stations, ports, gas stations, hotels or on highways – over hundred thousand MOBOTIX video systems have been in operation on every continent for years.

Technology Leader Of Network Cameras

In a short time, MOBOTIX has gained the second place in Europe and the fourth place worldwide in terms of market share. MOBOTIX has been producing solely megapixel cameras for years and, in this area, ranks as global market leader in high-resolution video systems with a market share of over 60%.

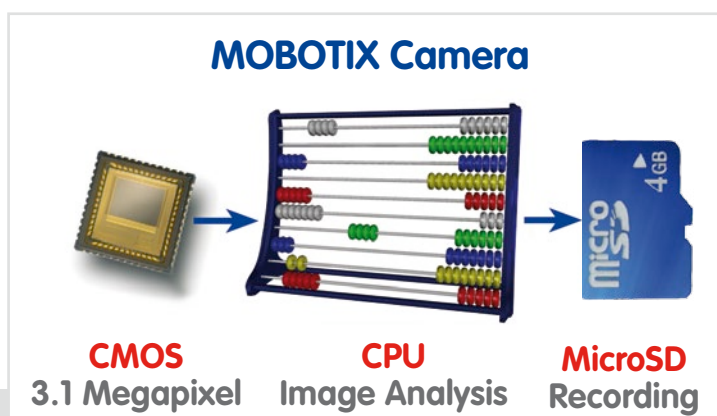
Why High-Resolution Systems?

The higher the resolution, the more accurate the detail in the image. With the old analog technology, a live image has no more than 0.4 megapixels and a recorded image generally 0.1 megapixels (CIF). One MOBOTIX camera with 3.1 megapixels, on the contrary, 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 Centralized Standard Solution

Usually cameras only supply the images while the processing and recording is done later on a central PC using video management software. This traditional centralised structure has many limitations, since it requires a high network bandwidth and the PC processing power is not enough for several cameras. A HDTV MPEG4 film already puts considerable strain on a PC, how can it be expected to process dozens of high-resolution live cameras? Traditional centralized systems are therefore less suitable and unprofitable than 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 with other systems, with the decentralized MOBOTIX concept a high-speed computer and, if requested, digital memory (SD/MicroSD card) is built into every camera for long-term recording. The PC now serves purely for viewing, not for analysis or recording. As a result, MOBOTIX cameras can record in response to an event even without the PC being switched on and digitally store the videos with sound.

The Benefits

MOBOTIX video solutions therefore require significantly:

- **fewer cameras** due to the more accurate detail of panoramic images with megapixel technology,
- **fewer PCs/DVRs**, because around 40 cameras can store high-resolution videos with sound efficiently on a single PC, or no PC at all when recording in the camera using digital memory (USB, SD/MicroSD card),
- **lower network bandwidth**, because everything is processed in the camera itself and the high-resolution images

therefore do not have to be constantly transported for analysis.

Robust And Low-Maintenance

MOBOTIX cameras have no mechanical motors for lenses or 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 is achieved without heating or 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.

Software Included - For Life

There are no software and licensing costs with MOBOTIX, because the software is always supplied with the camera; for an unlimited number of cameras and users. The software package supplied with the camera also includes professional control room software, like that used in football stadiums for example. Updates are supplied free of charge on the website. The system price for a weatherproof camera including lens, query software and day-to-day recording on MicroSD card is under £700.



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 for only £748 replaces the time-consuming and expensive installation of several standard cameras. This world novelty demonstrates again the innovative strength of MOBOTIX as a global leader for megapixel video security systems.

High-Resolution 180° Panorama

When several cameras are monitoring a single room, it is difficult to understand the room layout in its single view. 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.

Virtual PTZ – Without Motor

The Q24 also zooms in on detail. 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 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!



High-Resolution

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 MOBOTIX. And because fewer cameras are needed, the installation costs drop even further.

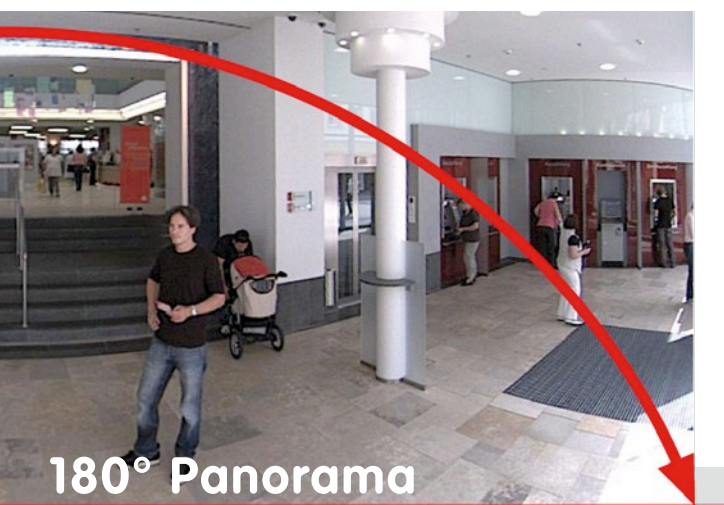
... Hemispheric Camera

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 already perfectly in the live image. Since the image distortion correction of the hemispheric view and the generating of the panoramic view take place in the camera itself, no additional load is placed on the viewer PC compared to a standard camera. Thus, displaying a large number of panoramic cameras simultaneously on a single PC is possible.

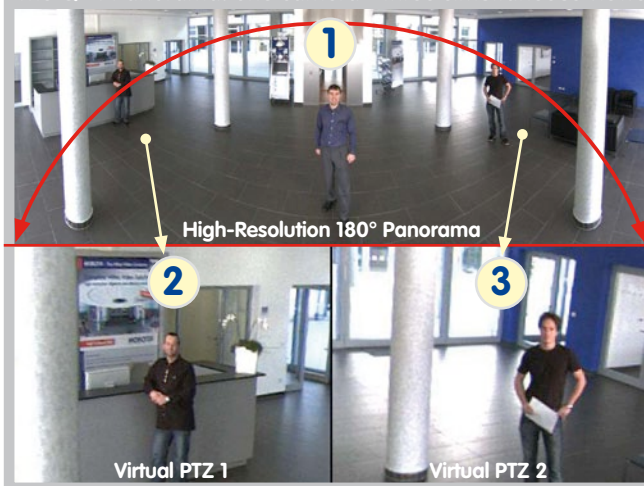


180° Panorama

Software Included

With MOBOTIX, the software for controlling the camera and searching data 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 Q24 Panorama: one camera - three simultaneous views



Highly Efficient Image Transferring

While the other camera systems always transfer the 3 Megapixel full image via the network for further analysis, MOBOTIX camera sends only the relevant image sections. Therefore, a Q24 panorama image needs only about 1/6 of the original data volume or bandwidth. So, six times more cameras can be transferred over the one and same network.

Internal DVR With 32 GB

The Q24 stores high-resolution video with sound directly on the integrated Flash memory without using an external recording device or PC and therefore, without additional network load. Old recordings can be overwritten automatically or deleted after a predefined period. The storage capacity is sufficient for around 400,000 panorama images or 33 hours of film (32 GB MicroSD).

The Superior MOBOTIX ...



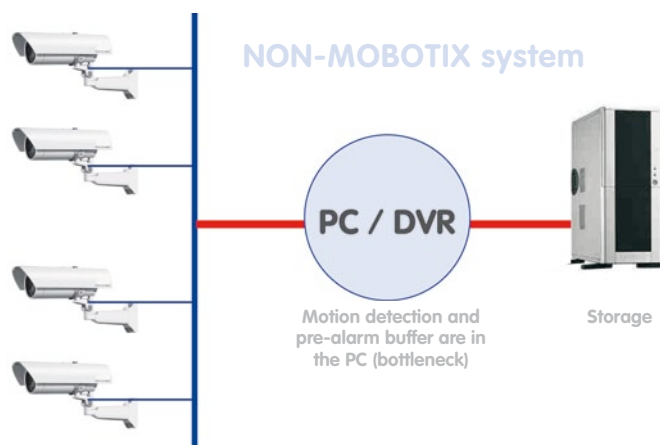
The Market Demands Better Image Quality

When it comes to future-proof video surveillance systems, it is not a matter of analog or digital but whether it is high-resolution or not. It is important to note that HiRes video only with decentralized network camera technology can be implemented at much lower cost than any other type of video surveillance system.

Central Storage As A Bottleneck

These days, video data is normally preprocessed and stored centrally on a PC with video management software or on a DVR. Video and audio streams from all installed cameras are directed to this central device. This system is comparable to a highway at rush hour: the more

cameras there are, the faster a data jam on the PC or DVR occurs. This means that despite HiRes cameras, the data is generally not stored in high-resolution format.



MOBOTIX Stores HiRes Cost Efficiently

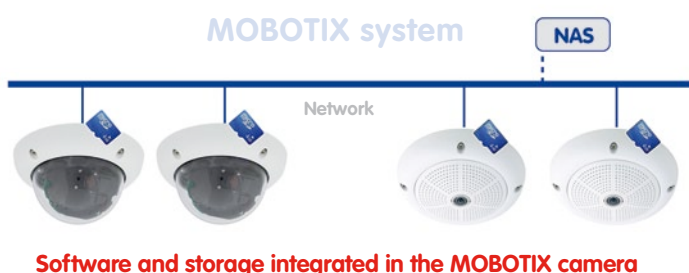
MOBOTIX solves the PC storage bottleneck problem using a unique and yet amazingly effective method - through the camera itself. High-resolution video with lip synchronized sound is saved either remotely over the network or locally on flash memory devices (commercial MicroSD, SD or CF cards, USB memory).

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

Flash memory is a sophisticated form of semiconductor memory without mechanical moving parts and represents the storage medium of the future thanks to its reliability, ease of use and low cost.



MOBOTIX Stores Data In Flash Memory

- No PC/network is needed for operations and there is no network load
- USB flash media can be connected directly to the camera (instead of internal MicroSD/SD/CF card); no network is necessary
- Greater reliability (no hard disk drive)
- Ring buffer: Old images can be overwritten automatically or deleted after a specified time

MOBOTIX Stores Data Reliably

MOBOTIX' own flash file system (MxFFS) prevents unauthorized persons from reading or transferring the internally stored data, even if the card is stolen.

MOBOTIX Only Saves What Is Necessary

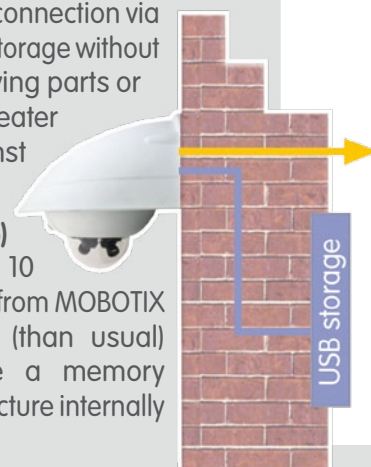
The MOBOTIX system includes three important additional options that allow more data to be stored for a longer time:

- Only the relevant image sections are stored instead of the entire image (for example, sky or ceiling is removed)
- Video recording only begins when relevant events take place (such as movement in the image)
- Temporarily increased frame rate during continuous recording of events

By connecting external memory over the network (NAS), the system can be expanded without limitations even while it is running.

MOBOTIX data storage

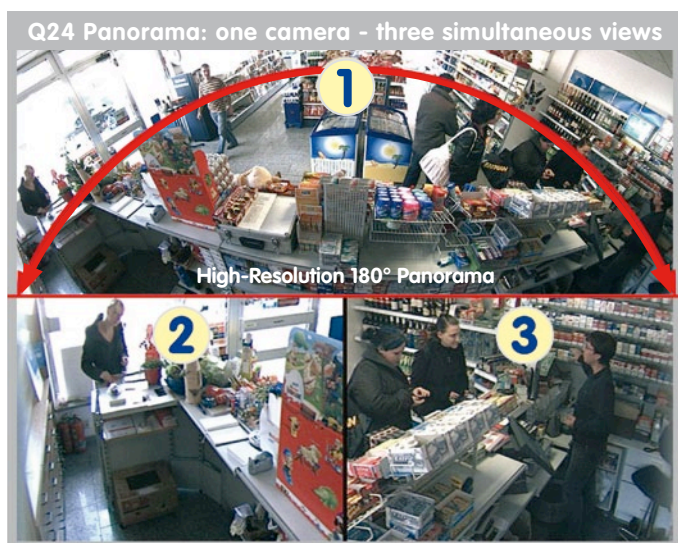
- **inside the camera** - a 32 GB MicroSD card is enough to record all day long, making central data storage devices or PCs unnecessary
- in **USB storage** (connection via USB cable) data storage without mechanical moving parts or network load (greater protection against data theft)
- a **file server (NAS)** can store about 10 times more data from MOBOTIX HiRes cameras (than usual) since they use a memory organization structure internally



32 GB Flash Memory

Long-term recording directly in the camera; the 32 GB provide space for about 180,000 single images (4 days at 30 frames/min.) or 2,000 one-minute video clips with sound. Old recordings can be overwritten automatically or deleted after a user-defined time.

The **MOBOTIX** ...



Robust, Low-Maintenance Technology

The real added value of MOBOTIX products is reflected in characteristics such as enhanced functionality, **long life and robustness**. MOBOTIX cameras basically have no 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 will establish a direct video and sound connection to a headquarter or a security guard.

Absolute Data Security

The security barriers that are 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.

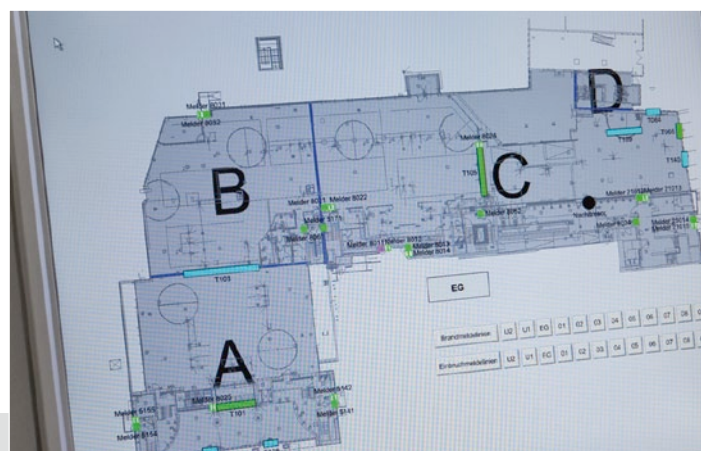
Notification Of Failure

MOBOTIX cameras will automatically report any impairment or failure. 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.

MOBOTIX MxControlCenter software



... 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 loudspeaker/microphone.



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 the hardest attacks, and the cameras will deliver a perfect picture of the attackers.

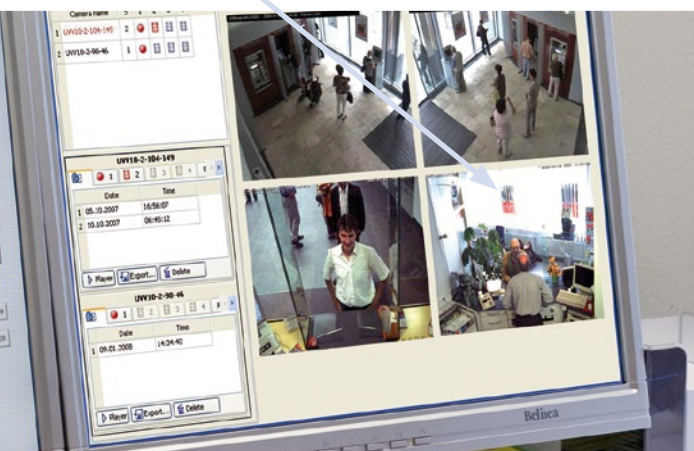
No Problems With Counterlight

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



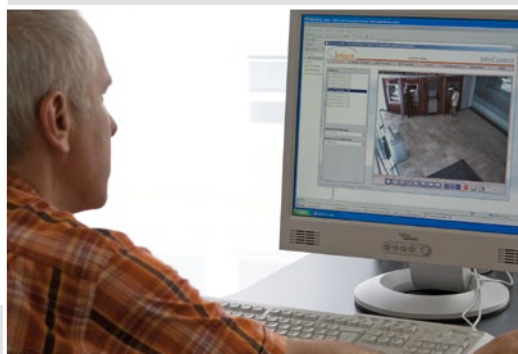
Advantages for the owner

- high-resolution, detailed camera images
- direct connection to the camera in the event of an alarm
- rapid 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
- unobtrusive installation without visible cabling
- professional system at low cost



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.



MOBOTIX Product Overview

Allround



M24M

from £578

- **Exchangeable lens camera** for indoor/outdoor use (IP66)
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- Exchangeable lenses from Super Wide Angle (90°) to Tele (15°); optional with CSVario or Hemispheric (180°)
- With optional color sensor (1 lux at 1/60 s, 0.05 lux at 1 s exposure time) or with B/W sensor (0.1 lux at 1/60 s, 0.005 lux at 1 s exposure time)
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Universal wall/ceiling mount with concealed cabling
- Internal DVR (up to 32 GB), recording without network load

DualNight



M12D

from £1,078

- **Dual camera** with brilliant image color quality during the day and highest sensitivity at night thanks to **two separate image sensors for color and B/W**, for indoor and outdoor (IP65)
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- B/W sensor (at night or IR lighting): 0.1 lux at 1/60 s, 0.005 lux at 1 s exposure time
- PIR sensor for motion detection in the dark
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Integrated switch functions (3 x In, 1 x Out), RS232
- Internal DVR (up to 32 GB), recording without network load

MonoDome



D24M

from £398

- **FixDome camera** for flexible mounting, for indoor and outdoor – IP54 (Basic)/IP65
- **Optional vandalism, On-Wall and In-Ceiling sets**
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- Exchangeable lenses from Super Wide Angle (90°) to Tele (15°)
- With optional color sensor (1 lux at 1/60 s, 0.05 lux at 1 s exposure time) or with B/W sensor (0.1 lux at 1/60 s, 0.005 lux at 1 s exposure time)
- Internal DVR (up to 32 GB), recording without network load

DualDome



D12D

from £968

- **DualDome camera with two individually positionable image sensors**, for indoor & outdoor (IP65)
- Simultaneous monitoring of different room areas using two separately directionable lenses
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- 180° panorama (optional with D12Di-180°)
- PIR sensor for motion detection in the dark
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Integrated switch functions (3 x In, 1 x Out), RS232
- Internal DVR (up to 32 GB), recording without network load

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Information subject to change without notice!

German Reference Projects

Airbus S.A.S., Schenker GmbH, Daimler AG, Deutsche Bahn Station & Service AG, EON Wasserkraft, Le Méridien Parkhotel Frankfurt, MAN Logistics, Lübecker Hafen-Gesellschaft mbH, Max Planck Institute for Chemical Ecology, Commerzbank AG, Skoda Auto Deutschland GmbH, Fraport AG, etc.

Hemispheric

Q24M

from £548



- **Hemispheric 360° allround view** for complete room monitoring
- Complete panorama view, ideal for access control
- Simultaneous Quad-display of all four room corners
- Digital continuous pan, tilt and zoom
- With optional color sensor (1 lux at 1/60 s, 0.05 lux at 1 s exposure time) or with B/W sensor (0.1 lux at 1/60 s, 0.005 lux at 1 s exposure time)
- Robust and maintenance-free, without mechanically moving parts
- Alarm function, speaker and microphone integrated
- Perfect design with low installation height, compatible with all D24 accessories
- Internal DVR (up to 32 GB), recording without network load

Video IP Door Station

T24

Available in 2010



- VoIP/SIP-enabled MOBOTIX door station
- The doorbell triggers a network connection to a video telephone or PC
- Superior overview thanks to the 3.1 megapixel hemispheric camera with vPTZ
- Automatically stores all activities outside the door with sound (triggered by doorbell, motion sensors or electrical contacts) Power supply via network cable or (already existing) bell wire
- Also precisely matches the modular door intercom installation system from SIEDLE
- Modules can be integrated, such as doorbell buttons, motion sensors or lighting controls

Mx2wire

Set Price £278



- Adapter set to transfer via Ethernet and PoE using a two-wire cable
- Two-wire cables are used to connect 10/100 MB Ethernet devices
- Ideal to connect e.g. a PC, WLAN, IP camera, IP telephone, IP door station
- Data transfer distance up to 500 meters; data rate is up to 30 Mbps, depending on distance
- Connected devices are supplied with up to 7 watts via PoE
- Simple installation in standard socket frames or surface-mounted sockets
- Developed and manufactured by MOBOTIX in Germany

ExtIO

£188



- Functional extension for all **MOBOTIX** camera models
- Direct **USB** linking available to M12, M24, D12, D22/D24 and Q24
- Direct network linking for all camera models
- 2 illuminated buttons
- 2 x In, 2 x Out
- Twilight sensor, PIR sensor, temperature sensor
- Microphone and loudspeaker

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International Reference Projects

Abu Dhabi Airport (United Arab Emirates), EURO 2012 Soccer Stadium (Ukraine), Republic Polytechnic (Singapore), Vatican Apostolic Library (Vatican City), Orange Mobile (Romania), Hudson River Park (New York), Bahrain Defense Hospital (Bahrain), Italian Financial Services Authority (Milano), etc.

MOBOTIX Product Overview

CamIO

from £278



- Interface base unit for M12 cameras
- Low installation costs
- Available in **PoE**, **AC** or **ACPlus** version
- Capable of switching loads up to 1000 watts at 230 V (**AC** or **ACPlus**)
- Optional battery operation (**ACPlus**) to maintain camera functionality during power failures
- Excellent audio quality thanks to an integrated amplifier

DevKit

from £1,018



- **Modular dual camera** system for individual installations
- Up to 30 cm long cable between sensor board and camera board (1 m with MxLink)
- Microphone and loudspeaker included
- Direct switching function (3 x In, 1 x Out), RS232
- Internal DVR (up to 32 GB) – no network load during recording
- Without sensor boards (to be ordered separately)
- Without MxLink Extension Set (to be ordered separately)

MxLink

£90



- DevKit Extension Set – 1 meter cable extension between sensor and DevKit board
- Tx module instead of ribbon cable for coupling to the sensor
- Rx module for coupling to the DevKit main board
- MxLink connection cable (1 m)
- Only available for DevKit
- Screw connection directly on the DevKit board and sensor (to be ordered separately)

MxEasy

£0



- Easy-to-use **video management software**, ideally designed for the wide range of functions of the MOBOTIX cameras
- Administration and display of up to 16 MOBOTIX cameras
- Supports decentralized system concept and works with internal camera recording (Internal DVR)
- Simple, quick setup; user-friendly and intuitive operation
- Transparent layout of operating elements; compatible with touch panels
- Ideally suited for small office and home surity environments
- Platform-independent format (Windows, MAC; Linux)

MxCC

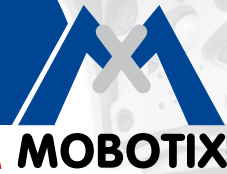
£0



- Professional unrestricted version, included with every MOBOTIX camera
- High performance with 30 smooth video streams
- Synchronized and simultaneous event search on several cameras
- Image post-processing (contrast, zoom, distortion correction)
- Integration of analog & digital PTZ cameras
- Administration and display of any number of cameras

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Information subject to change without notice!

The Best For Less Than £750

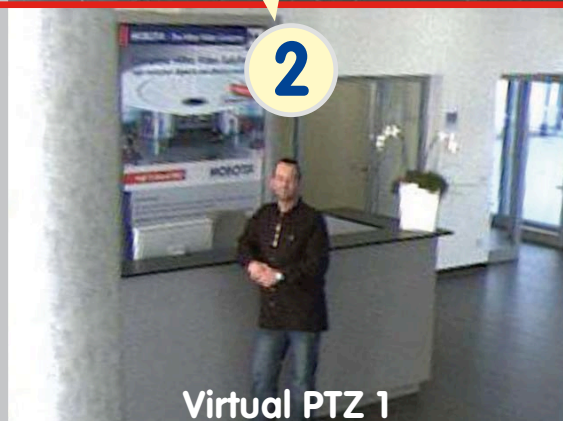


Excellent Value For Money

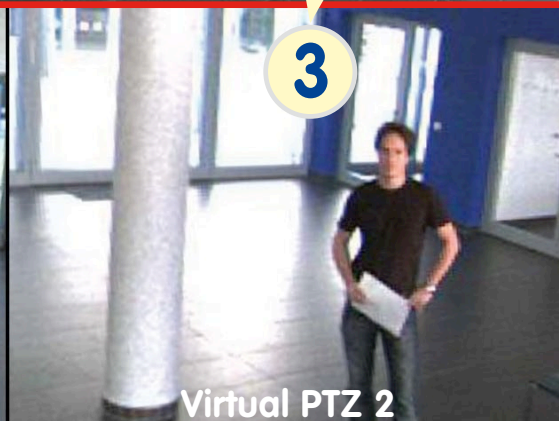
The Q24 Panorama: one camera - three simultaneous views



High-Resolution 180° Panorama



Virtual PTZ 1



Virtual PTZ 2

Q24M Hemispheric camera incl. accessories

- MOBOTIX hemispheric camera Q24M-Sec: Replaces up to 4 conventional cameras
- 3,1 megapixel color sensor: 2048 x 1536 pixels
- Integrated DVR: 4 GB MicroSD card (50,000 panorama images or over 4 h video)
- Up to 30 fps in Mega MxPEG-video stream recording, 20 fps in 3MEGA
- Professional video management software MxEasy or MxControlCenter 2.1 can be downloaded for free



+



=

£748*

Note: Delivered unassembled. Video is recorded directly in the camera without a PC.
A standard PC is required either on site or via a DSL connection only for viewing/searching the images.

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Quality
Made In Germany

Customer Service &
Ordering Information
+49-6302-9816-103

www.mobotix.com

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 rang, 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 or computer with remote door-opening function
- Integrated messaging features for leaving and retrieving messages directly at the door
- Keyless entry using PIN code or transponder with intelligent time control
- Simple installation, optional use of two existing bell wires instead of network cable

... see separate brochure for building technology

Complete Panorama View For Superior Overview

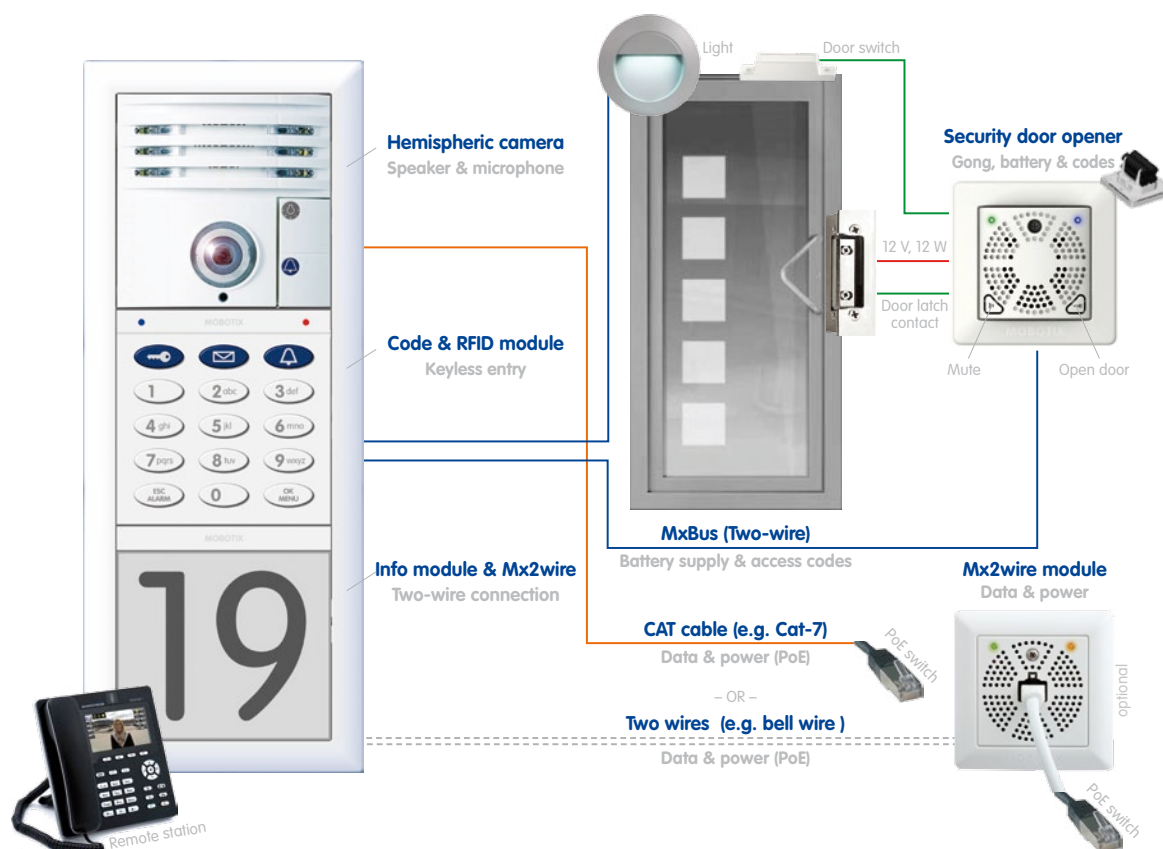
The high-resolution Hemispheric door camera with 3.1 megapixel image sensor and internal MicroSD storage allows monitoring of the entire entrance area. Complete Panorama view from wall to wall and floor to ceiling.






Technical Specifications T24







The HiRes Video Company

MOBOTIX



T24 Modules				Available Colors
T24M Hemispheric Camera  <ul style="list-style-type: none"> Complete panorama view Speaker and microphone 2 function keys 	Code & RFID Module  <ul style="list-style-type: none"> Keyless Entry per Pin code or transponder Integrated messaging feature 	Backlit Information Module  <ul style="list-style-type: none"> Optional with Mx2wire unit (integrated) To connect the T24 via 2 bell wires (data and power) 	Security Door Opener  <ul style="list-style-type: none"> Integrated door gong Backup power supply with battery 2 buttons, 2 LEDs 2 signal inputs, 1 signal output 	Colors  <ul style="list-style-type: none"> Available in white, metallic silver, dark gray and amber Modern, discreet design

Accessories			
Frames (Without Modules)  <ul style="list-style-type: none"> Available as On-Wall or In-Ceiling model Weatherproof (IP65) For 1 to 3 modules Optional with theft protection 	Siedle Vario Installation System  <ul style="list-style-type: none"> Can be combined with T24M and IO circuit board 	IO Circuit Board for Siedle Vario Installation Systems  <ul style="list-style-type: none"> Connection board joins T24M camera with original Siedle modules Simple installation inside Siedle frame 	Grandstream VoIP Videophone  <ul style="list-style-type: none"> 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.



reddot design award
honourable mention 2009



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.



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
- Event-controlled, complete room recording directly in the camera (4 GB MicroSD card incl.)
- Alarm function, speaker and microphone integrated

... starting at £548* incl. video management software

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Information subject to change without notice!

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, 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	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.263 (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 32GB)	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

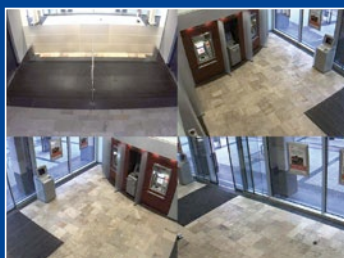
Available Accessories Q24 Hemispheric Camera

Standard Housing MX-Q24M-Sec  <ul style="list-style-type: none"> Hemispherical allround view 360° For wall and ceiling mounting 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, powder-coated black 	In-Ceiling-Set MX-OPT-IC  <ul style="list-style-type: none"> In-Ceiling set incl. mounting parts Easy mounting from front 150 mm installation standard 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!



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 £1,078* 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), Netpower-Adapter, typ. 3 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 32 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

Power-Adapter-Set
MX-NPA-Set-DE



- Power supply via Ethernet (MX30V)

CamIO Extension Module
MX-CAMIO-AC-230



- 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°



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!



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 £578* incl. video management software

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M24 – The Robust All-Rounder

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, 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, 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.263 (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 32 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-2wire-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 All-Rounder

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 D12



Twice As Sharp. Twice As Smart.

With two lenses and two HiRes image sensors, the D12 is a highly specialized security solution. Monitoring and suring two separate room areas simultaneously is possible with just one single camera. All this without error-prone mechanical parts!



MOBOTIX HiRes video replaces up to 6 cameras ...

- FixDome camera with two independent, individually adjustable image sensors
- Simultaneously records an entire room and selected details
- Individual choice of lens: Tele/Wide Angle, day/night, 180° Panorama function
- Integrated DVR with HiRes video recording without network load
- Robust, low-maintenance and weatherproof from -30 to +60 °C (-22 to +140 °F), (IP65)
- Digital, continuous zoom, pan and tilt
- Integrated microphone, speaker and PIR motion detector

... starting at £968* incl. video management software

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D12 – Elegant FixDome With Two Lenses

The D12 can be used to simultaneously monitor different room areas using the two independent and separately positionable lenses. For example, one lens could be pointed at the entrance of a building while the other lens keeps an eye on the elevators.

Technical Specifications D12



The HiRes Video Company

MOBOTIX

Technical Specifications D12 DualDome

Models	IT, IT-DNIGHT, Sec, Sec-DNIGHT, Sec-180°, 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), Netpower-Adapter, typ. 4 W
Image compression	MxPEG, M-JPEG, JPEG, H.263 (only Video-VoIP)	Operating conditions	IP54/IP65 (without/with wall mount), -30 to +60 °C (-22 to +140 °F)
Internal DVR	SD card (up to 32 GB), 16 GB internal (Sec-R16)	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), free choice of 2 lens modules, 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!

D12 DualDome

Available Accessories D12 DualDome

Standard Housing MX-D12Di-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-D12D-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 D12-DualDome Covers up RJ45 outlets 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 	Power-Adapter-Set MX-NPA-Set-DE  <ul style="list-style-type: none"> Power supply via Ethernet (MX30V) 	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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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

D12 – Elegant FixDome With Two Lenses

The D12 can be used to simultaneously monitor different room areas using the two independent and separately positionable lenses. For example, one lens could be pointed at the entrance of a building while the other lens keeps an eye on the elevators.

MonoDome Camera D24



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.



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, 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 £398* incl. video management software

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Information subject to change without notice!

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, MxBus
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.263 (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 32GB)	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 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 deflection, 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.

Creative Solution M12-DevKit



Your Ideas. Our Solution.

M12 DevKit is the ideal solution for all non-standard applications. It is a high-resolution dual IP camera with two separate image sensors that has been designed specifically for customized, concealed installations. With the M12 DevKit, there are no limits to your ideas.



MOBOTIX HiRes video replaces up to 6 cameras ...

- Dual-camera module system for individual built-in solutions
- Up to two separately linked, freely selectable image sensors
- Optional: MxLink extension set with 1 meter cable
- Integrated DVR functionality: slot for SD card
- Digital continuous pan, tilt and zoom
- Integrated microphone and loudspeaker
- Video management software download free of charge

... starting at £1,018* (DevKit board incl. protective housing, 1 sensor & 1 lens)

© MOBOTIX AG • MSRP (Manufacturer's suggested retail prices) • Prices ex-works Langmeil, Germany (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 0,9087GBP, 28.10.2009
Information subject to change without notice!

DevKit – Developer Kit

The DevKit is a flexible, modular system that can be tailored to the individual needs of customers. An ideal solution for ATMs (automated teller machines) and for concealed surveillance of cashier zones, hotel reception areas and bank counters, for example.

Technical Specifications M12-DevKit



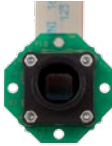



The HiRes Video Company


MOBOTIX

Technical Specifications M12-DevKit

Models	Sec	Virtual PTZ	Digital pan/tilt/zoom, continuous 8x zoom
Lenses	22 to 135 mm format, horizontal angle 90° to 15°, CS lenses can also be used (see CS adapter)	Alarm/Events	Triggering of events by integrated multiple-window motion detection, external signal, temperature sensor, 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 loudspeaker, line-in/line-out, lip-synchronous audio and audio recording
Sensor	1x or 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 (living environments, industry)
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)
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 32 GB)	Dimensions	WxDxH: 14.8 x 5.1 x 21.1 cm, Weight: approx. 610 g (DevKit + housing), approx. 100 g (board)
External storage	Directly on NAS and PC/Server without additional recording software	Standard delivery	Transparent board housing, software manual, patch cable - 50 cm, assembly key, mounting screws; sensor boards, lenses and MxLink must be ordered separately!
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-DevKit	Available Accessories M12-DevKit				
DevKit in protective housing MX-M12-DevKit-Board  <ul style="list-style-type: none"> Dual-camera board Up to two image sensors Day and night operation Protective housing (IP65) 	DevKit extension (1m) MX-Link-1  <ul style="list-style-type: none"> DevKit extension set; extending the sensor connection up to 1 m Tx module, Rx module and 1 m connection cable 	Sensor boards (M14) Color: MX-M12-DevKit-C B/W: MX-M12-DevKit-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 Sensitivity: max. 0.05 lux (1/1 s) B/W sensor: 1280x960 Sensitivity: max. 0.005 lux (1/1 s) M14 lens mount 30 cm ribbon cable (12") 	Sensor in aluminum block (M14) MX-M12-DevKit-M14-C MX-M12-DevKit-M14-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 M14 lens mount Aluminum block 30 cm ribbon cable (12") 	Sensor in aluminum block (CS) MX-M12-DevKit-CS-C MX-M12-DevKit-CS-BW  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 CS lens mount Aluminum block 30 cm ribbon cable (12") 	CSVario lens MX-OPTCS-L24-54  <ul style="list-style-type: none"> Vario lens, in connection with CS lens mount Corresponds roughly to a 24 to 54 mm camera

	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

For Even Greater Flexibility: MxLink

The sensor boards are located separately from the camera board. The new, optional MxLink extension set makes it now possible to position any image sensor up to one meter (3.3 feet) away from the camera.



ExtIO Opens New Horizons For Cameras

With its new ExtIO module, MOBOTIX leads the way to completely new technology. 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.

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	Available Accessories For ExtIO			
ExtIO Extension Module MX-ExtIO	In-Ceiling Set MX-OPT-IC	On-Wall Set MX-OPT-AP	Outdoor Wall Mount MX-OPT-WH	Pole Mount MX-OPT-MH
				
<ul style="list-style-type: none">• Microphone/Speaker• PIR sensor for motion detection, temperature sensor• 2 signal inputs, 2 signal outputs, 2 illuminated buttons	<ul style="list-style-type: none">• Consists of in-ceiling mount and mounting parts• Easy mounting from front• Ø 150 mm installation dimension• Can be ordered with stainless steel cover	<ul style="list-style-type: none">• Consists of on-wall mount and mounting parts• Concealed cabling• 165 mm x 37 mm	<ul style="list-style-type: none">• Weatherproof (IP65) for ExtIO• Covers RJ45 wall outlets• 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

ExtIO – Intelligent Technology For Combined Systems

The practical and functional ExtIO module can be easily combined with all MOBOTIX cameras and enables implementing door and gate intercom systems cost efficiently.




More Control With CamIO

The CamIO input/output module is the ideal platform for door intercoms. Doorbell buttons and alarm contacts can be connected to the inputs, and door openers, exterior lights, etc., can be controlled via the outputs. The CamIO is designed for switching loads up to 2 x 300 watts (230 V). Thanks to the powerful integrated loudspeaker, door opener relay and two switch inputs, this module is ideal for setting up video door stations on for example, remote building entrances.

Technical Specifications CamIO

Models	PoE/ AC/ ACplus	Certificates	EMC (EN50428, EN55022, EN55024, EN60669-2-1, EN61000-6-2, FCC part15B, AS/NZS3548)
Interfaces	Ethernet, line-in, speaker-out, 2 input contacts, 2 output contacts	Protection class	IP65 (DIN EN 60529)
Audio/Intercom	Microphone input and powerful loudspeaker, integrated audio amplifier (2.5W/8Ω)	Operating temperature	-30 to +60 °C (-22 to +140 °F) (DIN EN 50125)
Input contacts	2 galvanically isolated input contacts: 8V to 230V AC, 11V to 325V DC (depending on model), min. 2mA	Power supply	Power over Ethernet (PoE); 230V (AC); 230V/battery (ACplus)
Output contacts	2 output contacts (230V/500W AC, 230V/240W DC per relay), of which one isolated relay, 2nd relay switches the current voltage of power supply. Minimum voltage 5 V, minimum power 100mA, maximum voltage 230 V AC (depending on model)	Dimensions	WxHxD: 13.6 x 16.2 x 6.7 cm
		Weight	PoE: 470 g, AC: 470 g, ACplus: 850 g (appr.)
		Standard delivery	Durable plastic housing (PBT), white; wall arm for mounting camera and speaker, speaker cable, assembly parts, cable seals, manual

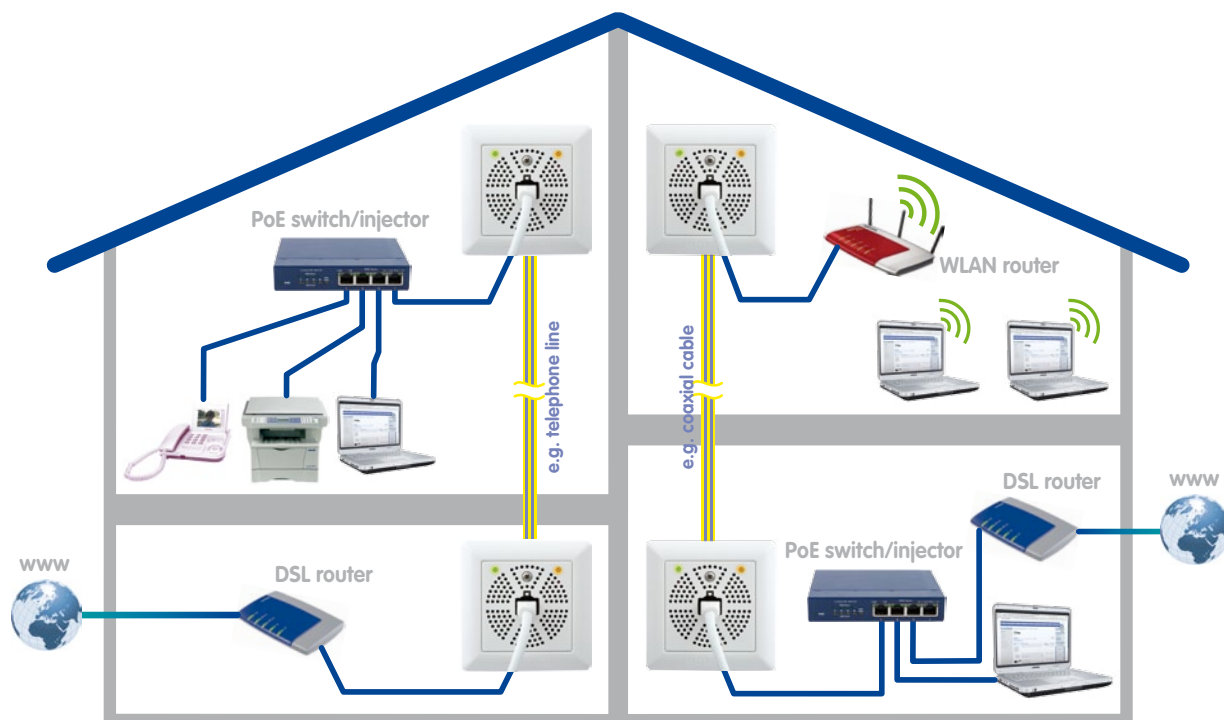
Technical information subject to change without notice!

CamIO	Available Accessories For CamIO		Compatible Camera
CamIO Functional Extension MX-CamIO-PoE MX-CamIO-AC-230 MX-CamIO-ACplus-230  <ul style="list-style-type: none"> 2 input/output contacts each Audio amplifier Microphone input 	Connection Cable MX-CamIO-OPT-M12  <ul style="list-style-type: none"> Connection cable (50 cm) 	Pole Mount MX-MH-SecureFlex-ESWS  <ul style="list-style-type: none"> 3 mm stainless steel, powder-coated 2 stainless steel straps for pole diameters of 60–180 mm, including assembly parts 	DualNight M12 MX-M12D-Sec-DNight  <ul style="list-style-type: none"> DualNight camera with two separate image sensors for daytime/nighttime operation Automatic daytime/night-time switching

Certified Safety

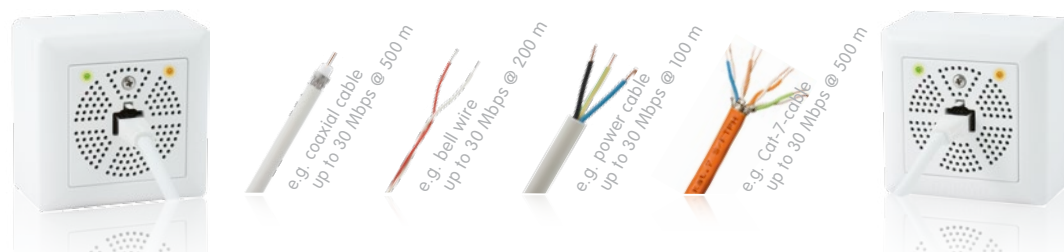
The CamIO module is certified by the German Association for Electrical, Electronic and Information Technologies (VDE). The module can be powered either via the network cable (PoE) or locally from a 230 Volt power source.

Mx2wire Media Converter



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!




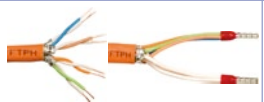
... only £278* for the complete set (two Mx2wire devices with three exchangeable panel frames)

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 £278. 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)		
Data transfer speed	up to 30 Mbps (depending on distance); see table below		
Max. range	500 m (up to 30 Mbps)		
Interfaces	Front: RJ45 (Fast Ethernet, PoE), DC jack Rear: Screw terminals to attach the two-wire cable		
Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)		
Power supply	Mx2wire modules are supplied via PoE (3 watts per module) PoE (IEEE802.3af – based on capacity, 7 watts to PoE device)		
Status display	Status LED 1: Network connection, power supply Status LED 2: Active data transfer via AB wire, user connected to the opposite side		
Weight	100 g		
Operating temperature	-30 to +60°C (-22 to +140 °F)		
Dimensions	80 mm x 80 mm x 38 mm (flush-mounted model) 80 mm x 80 mm x 45 mm (on-wall model)		
Standard delivery	Mx2wire media converter set (color: pure white), mounting parts, various panel frames, manual		

Mx2wire	Components (Shipped With Every Mx2wire Set)				
Mx2wire set MX-2wire-Set-PW (pure white)  <p>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).</p> <p>Each one is supplied with a sender/receiver unit, as well as accessories for flush-mounting or on-wall assembly. The set is available in pure white at present.</p>	Circuit board  <ul style="list-style-type: none"> • 2x Mx2wire circuit board and housing 	Panel frames  <ul style="list-style-type: none"> • 6x white concave, convex and flat frames (two of each) 	Front panels  <ul style="list-style-type: none"> • 2x front panel 	Surface-mounted Socket  <ul style="list-style-type: none"> • 2x white surface-mounted socket 	Accessories  <ul style="list-style-type: none"> • 2x cavity socket • Mounting parts

Comparative Tables For The Transfer Rates Of Data And Power				
Antenna or coaxial cable	Thickness	Length		
		50 m	100 m	500 m
	0.6 mm Inner conductor	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1	Data: 30 Mbps PoE Class: keine
Telephone line/bell wire	Thickness	Length		
		50 m	100 m	200 m
	0.6 mm	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1	Data: 25 Mbps PoE Class: keine
	0.8 mm	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 1
Installation cable	Thickness	Length		
		50 m	100 m	200 m
	1.5 mm²	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 25 Mbps PoE Class: 2
Network installation	Type	Length (Use of All 4 Wire Pairs: Combine 4x white and 4x colored and attach wire-end sleeves)		
		200 m	300 m	500 m
	Cat-7	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2	Data: 30 Mbps PoE Class: 2

NPA-PoE Set



Multifunctional. The Compact PoE Injector.

The MOBOTIX power adapter set ...

- 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 £98*

A Quality MOBOTIX Product Made In Germany

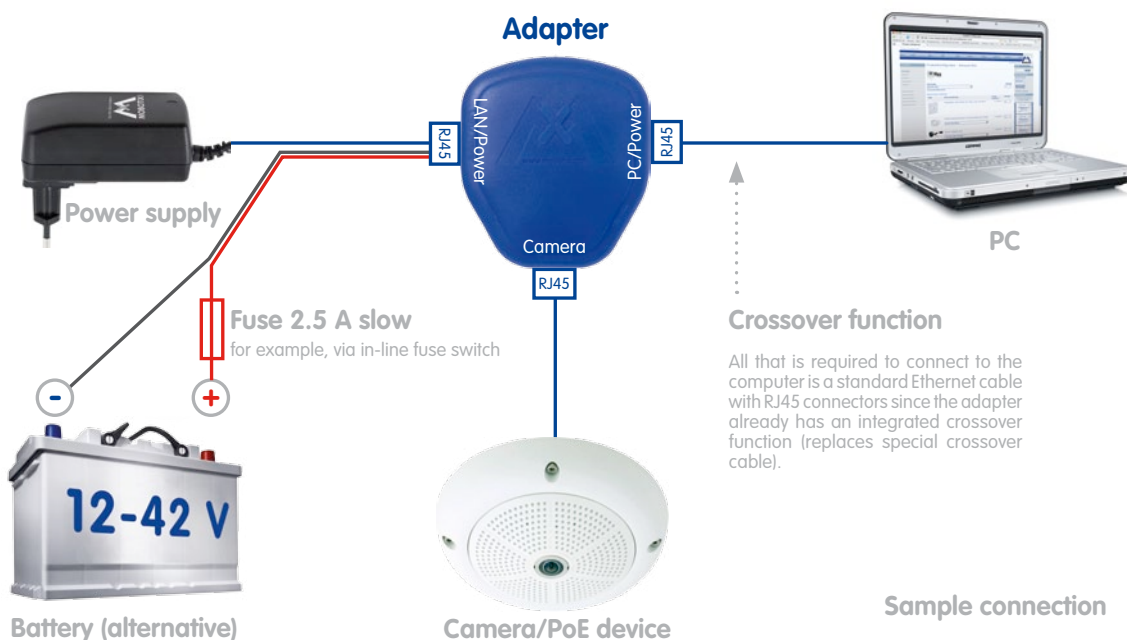
The MOBOTIX Network Power Adapter Set (NPA-PoE set) is a high-quality, robust, ultra-compact and, above all, multifunctional PoE injector with three connectors (network, camera/PoE device, PC) and a universal power supply unit with interchangeable adapter plugs.

Technical Specifications NPA-PoE Set



The HiRes Video Company

MOBOTIX



Technical Specifications - Power Supply Unit

Connections	1x RJ45 (for adapter), 1x network (up to 4x interchangeable adapter plugs)	Dimensions	LxWxH: 8.5 x 5.2 x 3.9 cm (without adapter plug)
Nominal data - input	100 V to 240 V AC, 50 to 60 Hz/400 mA	Weight	Approx. 165 g (incl. 1x interchangeable adapter plug)
Nominal data - output	24 V DC/750 mA	Special features	Suitable for international use thanks to broad input voltage range and interchangeable power supply adapter plugs (no tools required)
Ambient temperature	0 to +40 °C (32 to 104 °F)	Certificates	VDE 60950, AS/NZS60950, CSA60950, PSE-JQA 60950

Technical Specifications - Adapter

Connections	3x RJ45 (LAN/Power, PC/Power, Camera)	Dimensions	LxWxH: 6 x 5.5 x 2.7 cm
Nominal data - input	12 V to 42 V DC	Weight	Approx. 40 g
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	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)
Disabling	Less than 10 V input voltage	Certificates	EMC (EN55022, EN55024, EN61000-6-1, FCC part15B, AS/NZS3548)
Ambient temperature	-30 to +60 °C (-22 to 140 °F)		

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 +/-

Technical information subject to change without notice!



Free Of Charge: Professional IP Video Management

With MxControlCenter, you can quickly and easily connect MOBOTIX cameras as well as cameras from third-party manufacturers to a straightforward and powerful security system. The program features an attractive graphic user interface, freely-definable layouts for cameras in grids or on building plans as well as a video search feature, alarm list, automatic camera search, automatic switching between cameras or complete layouts, video storage on file servers and a camera configuration and update assistant.

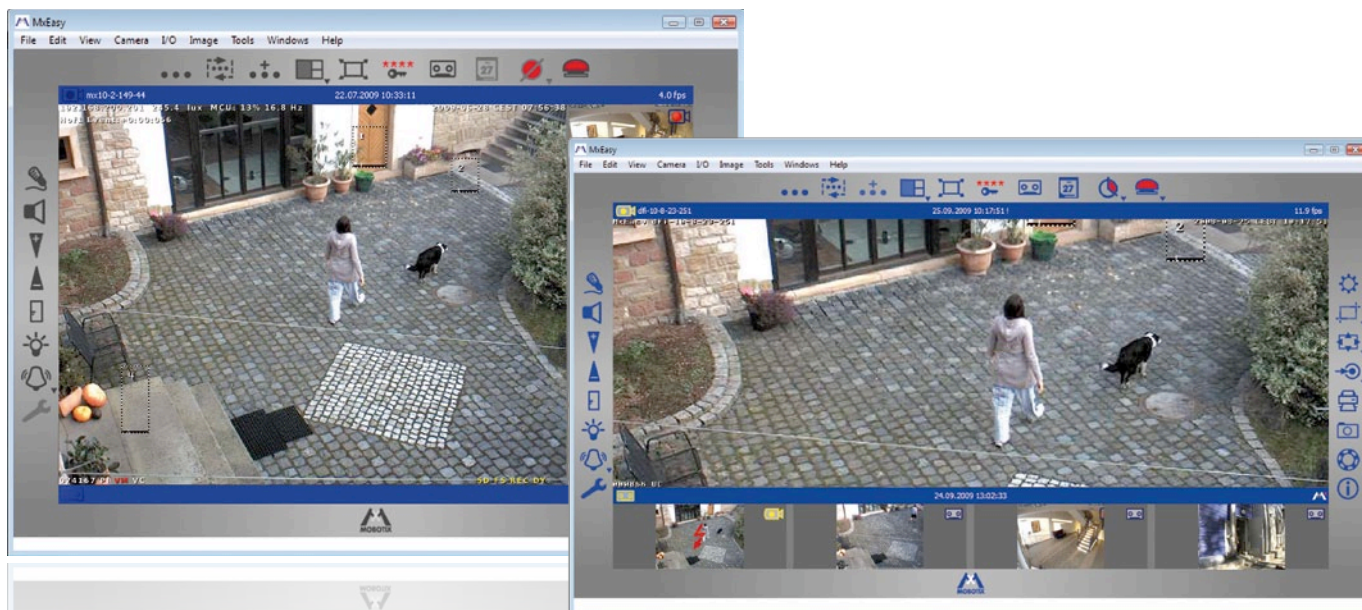
Developed for professional surveillance solutions:

- User interface for comfortable operation
- Virtual joystick for quick panning/tilting/zooming
- Layout manager with functional sidebar panel
- Time-synchronous playback of recordings

Absolutely Free Of Charge

The software can be downloaded free of charge from www.mobotix.com.

(www.mobotix.com/other/Support/Software-Downloads/MxControlCenter)



Intuitive Control Software For All MOBOTIX Cameras

MxEasy from MOBOTIX is an innovative video software that enables the user to access the most important features of the cameras using its intuitive, easy-to-use interface. This device is especially practical thanks to the automatic camera search in the network, automatic configuration and quick-start recording, which can be activated at the push of a button. The user-friendly design allows up to 16 cameras to be managed and displayed. All settings selected in MxEasy (e.g., image section, zoom, brightness, volume, microphone sensitivity, image storage, signal outputs) can be used immediately and are stored instantly in the configuration of the corresponding camera.

Simple operation of the most important camera features:

- Cameras can be installed without additional knowledge about networks
- Supports up to 16 MOBOTIX cameras
- Time- or event-controlled recording
- Time-controlled recording based on motion detection, image brightness and microphone

Absolutely Free Of Charge

MxEasy is available for Microsoft Windows, MacOS X, and Linux/UNIX operating systems as a free download from www.mobotix.com. (www.mobotix.com/other/Support/Software-Downloads/MxEasy)

HiRes IP Cameras And Accessories

Camera Models M24

Model:

Indoor/Outdoor:

Lenses: (eq. 35mm)

Resolution:

Pan/Tilt/Zoom:

Frame Rate (max.):

Sensitivity:

Interfaces:

Internal DVR:

Audio/Telephony:

Power Sup. • In/Out:

Software Features:

Arming • Triggering:

External Storage:

Prices:

M24M-IT-D22



In/Outdoor, IP66, -30 to +60 °C
Super Wide Angle (22mm, 90°, F 2.0),
VGA (640x480 pixels), color
Continuous 8x zoom & pan/tilt (digital)
30 fps CIF • 30 fps VGA
1 lux (t=1/60s) • 0,05 lux (t=1/1s)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£578 (MX-M24M-IT-D22)

M24M-Sec



In/Outdoor, IP66, -30 to +60 °C
Super Wide Angle (22mm, 90°, F 2.0), 32mm,
43mm, 65mm, 135mm
3MEGA (2048x1536 pixels), color
Continuous 8x zoom & pan/tilt (digital)
30 fps VGA • 30 fps MEGA • 20 fps 3MEGA
1 lux (t=1/60s) • 0,05 lux (t=1/1s)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£738 (MX-M24M-Sec)

M24M-Sec-Night



In/Outdoor, IP66, -30 to +60 °C
Super Wide Angle (22mm, 90°, F 2.0), 32mm,
43mm, 65mm, 135mm
MEGA (1280x960 pixels), B/W
Continuous 8x zoom & pan/tilt (digital)
30 fps VGA • 30 fps MEGA
0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£738 (MX-M24M-Sec-Night)

Model:

Indoor/Outdoor:

Lenses: (eq. 35mm)

Resolution:

Pan/Tilt/Zoom:

Frame Rate (max.):

Sensitivity:

Interfaces:

Internal DVR:

Audio/Telephony:

Power Sup. • In/Out:

Software Features:

Arming • Triggering:

External Storage:

Prices:

M24M-Sec-CSVario



In/Outdoor, IP66, -30 to +60 °C
CSVario 24-54 (24 bis 54mm)
F1.6-2.3
3MEGA (2048x1536 pixels), color
Continuous 8x zoom & pan/tilt (digital)
30 fps VGA • 30 fps MEGA • 20 fps 3MEGA
1 lux (t=1/60s) • 0,05 lux (t=1/1s)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£938 (MX-M24M-Sec-CSVario)

M24M-Sec-D11



In/Outdoor, IP66, -30 to +60 °C
Hemispheric (11mm, 360°, F 2.0)
3MEGA (2048x1536 pixels), color
Continuous 8x zoom & pan/tilt (digital)
30 fps VGA • 30 fps MEGA • 20 fps 3MEGA
1 lux (t=1/60s) • 0,05 lux (t=1/1s)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£798 (MX-M24M-Sec-D11)

M24M-Sec-Night-N11



In/Outdoor, IP66, -30 bis +60 °C
Hemispheric (11mm, 360°, F 2.0)
MEGA (1280x960 pixels), B/W
Continuous 8x zoom & pan/tilt (digital)
30 fps CIF • 30 fps VGA • 30 fps MEGA
0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)
Ethernet 10/100, USB, MxBus
Up to 32 GB with MicroSD card
Bidirectional, IP Telephony (VoIP)
PoE (IEEE 802.3af) • Via ExtIO
FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search
365 day schedule • Multiple events
Up to 1 TB on PC/Server/NAS

£798 (MX-M24M-Sec-Night-N11)

Accessories M22/M24

Part Name:

Description:



Ethernet patch cable für M24 (1/2/5/10 m)

- 2x RJ45 plug with special MOBOTIX seal
- 1, 2, 5 or 10 m long

from £8 (MX-OPT-CBL-LAN-1)



M12/M22/M24-Pole Mount

- 3mm stainless steel, white
- Pole mounting
- Pole circumference from 60 to 180mm
- 2 x stainless steel straps, screws and washers included

£78 (MX-MH-SecureFlex-ESWS)



ExtIO

- 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

from £188 (MX-ExtIO)

Model:**Indoor/Outdoor:****Lenses:** (eq. 35mm)**Resolution:****Pan/Tilt/Zoom:****Frame Rate (max.):****Sensitivity:****Interfaces:****Internal DVR:****Audio/Telephony:****Power Sup. • In/Out:****Software Features:****Arming • Triggering:****External Storage:****Prices:****M12M-Web-D43**

In/Outdoor, IP65, -30 to +60 °C

Wide Angle only (43mm, F 2.0),
no other lens available

3MEGA (2048x1536 pixels), color

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA • 14 fps MEGA

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100

./.

./.

PoE or MX30V • ./.

Logo generator, FTP, E-Mail

7 day schedule • Reduced

FTP, triggered by events/time schedule

£788 (MX-M12M-Web-D43)**M12D-IT-DNight-D43N43**

Dual lens Outdoor, IP65, -30 to +60 °C

2 Wide Angles (43mm, F 2.0),
DNight: automatic Day/Night switching
2 x VGA (je 640x480 pixels), color & B/W

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA

0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)

ISDN, Ethernet 10/100, RS232

Up to 32 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 3xIN, 1xOUT

FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

£1,078 (MX-M12D-IT-DNight-D43N43)**M12D-Sec-D22D135**

Dual lens Outdoor, IP65, -30 to +60 °C

Super Wide Angle (22mm, 90°, F 2.0),
tele (135mm, F 2.5)

2 x 3MEGA (je 2048x1536 pixels), color

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA • 14 fps MEGA

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100, RS232

Up to 32 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 3xIN, 1xOUT

FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

£1,158 (MX-M12D-Sec-D22D135)**Model:****Indoor/Outdoor:****Lenses:** (eq. 35mm)**Resolution:****Pan/Tilt/Zoom:****Frame Rate (max.):****Sensitivity:****Interfaces:****Internal DVR:****Audio/Telephony:****Power Sup. • In/Out:****Software Features:****Arming • Triggering:****External Storage:****Prices:****M12D-Sec-DNight-D43N43**

Dual lens Outdoor, IP65, -30 to +60 °C

2 Wide Angles (43mm, F 2.0),
DNight: automatic Day/Night switching1 x 3MEGA (2048x1536 pixels), color
1 x MEGA (1280x960 pixels), B/W

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA • 14 fps MEGA

0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)

ISDN, Ethernet 10/100, RS232

Up to 32 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 3xIN, 1xOUT

FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

£1,158 (MX-M12D-Sec-DNight-D43N43)**M12D-Sec-DNight-D22N22**

Dual lens Outdoor, IP65, -30 to +60 °C

2 Super Wide Angles (22mm, F 2.0),
DNight: automatic Day/Night switching1 x 3MEGA (2048x1536 pixels), color
1 x MEGA (1280x960 pixels), B/W

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA • 14 fps MEGA

0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)

ISDN, Ethernet 10/100, RS232

Up to 32 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 3xIN, 1xOUT

FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

£1,248 (MX-M12D-Sec-DNight-D22N22)**M12D-Sec-R16**

Dual lens Outdoor, IP65, -30 to +60 °C

Super Wide Angle (22mm, 90°, F 2.0),
43mm, 135mm1 x 3MEGA (2048x1536 pixels), color
1 x MEGA (1280x960 pixels), B/W

Continuous 8x zoom & pan/tilt (digital)

30 fps CIF • 30 fps VGA • 14 fps MEGA

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100, RS232

16 GB internal flash installed

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 3xIN, 1xOUT

FTP, e-mail, video alarm management,
VideoMotion, Multiview, event search

365 day schedule • Multiple events

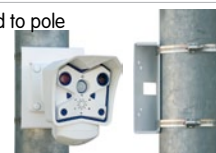
Up to 1 TB on PC/Server/NAS

from £1,358 (MX-M12D-Sec-R16)**Accessories M12****Part Name:****Description:****Prices:****Cam-IO-PoE/AC/ACplus**

- Interface for external sensors and equipment (door contact, light, etc.)
- 2xRelais-Out, 2xInput, backup, audio
- Power supply via network / 230V / 230V battery buffered
- Compatible with M12 cameras




from £278 (MX-CAMIO-PoE)**M12/M22/M24-Pole Mount**




- 3mm stainless steel, white
- Pole mounting
- Pole circumference from 60 to 180mm
- 2 x stainless steel straps, screws and washers included

£78 (MX-MH-SecureFlex-ESWS)**M12 Mounted to pole****M12 mounted to wall and ceiling**

HiRes IP Cameras And Accessories

Camera Models D24/Q24

			
Model:	D24Mi-Basic-D22	D24M-IT-D22	D24M-Sec-Sec-Night
Indoor/Outdoor:	Indoor, IP54, -20 to + 50 °C	In/Outdoor, IP65, -30 to + 60 °C	In/Outdoor, IP65, -30 to + 60 °C
Lenses: (eq. 35mm)	Super Wide Angle (22mm, 90°, F 2.0)	Super Wide Angle (22mm, 90°, F 2.0)	Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm
Resolution:	VGA (640x480 pixels), color	VGA (640x480 pixels), color	D24M-Sec: 3MEGA (2048x1536 pixels), color D24M-Sec-Night: MEGA (1280x960 pixels), B/W
Pan/Tilt/Zoom:	./.	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)
Frame Rate (max.):	16 fps CIF • 16 fps VGA	30 fps CIF • 30 fps VGA	30 fps CIF • 30 fps VGA • 30 fps MEGA
Sensitivity:	1 lux (t=1/60s) • 0.05 lux (t=1/1s)	1 lux (t=1/60s) • 0.05 lux (t=1/1s)	1 lux (t=1/60sec) • 0.05 lux (t=1/1sec), color; 0,1 lux (t=1/60sec) • 0.005 lux (t=1/1sec), BW
Interfaces:	Ethernet 10/100	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus
Internal DVR:	./.	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card
Audio/Telephony:	./.	Bidirectional, IP telephony (VoIP via ExtIO)	Bidirectional, IP telephony (VoIP via ExtIO)
Power Sup. • In/Out:	PoE (IEEE 802.3af) • ./.	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO
Software Features:	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
Arming • Triggering:	./.	365 day schedule • Multiple events	365 day schedule • Multiple events
External Storage:	./.	Up to 1 TB on PC/Server/NAS	Up to 1 Terabyte on PC/Server/NAS
Prices:	£398 (MX-D24Mi-Basic-D22)	£508 (MX-D24M-IT-D22)	£708 (MX-D24M-Sec-Sec-Night)

			
Model:	Q24M-Basic	Q24M-Sec	Q24M-Sec-Night
Indoor/Outdoor:	Indoor, IP54, -30 to + 60 °C	In/Outdoor, IP65, -30 to + 60 °C	In/Outdoor, IP65, -30 bis +60 °C
Lenses: (eq. 35mm)	Hemispheric (11mm, 360°, F 2.0), Super Wide Angle (22mm, 90°, F 2.0)	Hemispheric (11mm, 360°, F 2.0), Super Wide Angle (22mm, 90°, F 2.0)	Hemispheric (11mm, 360°, F 2.0)
Resolution:	VGA (640x480 pixels), color	3MEGA (2048x1536 pixels), color	MEGA (1280x960 Pixel), B/W
Pan/Tilt/Zoom:	Digital PTZ via MxControlCenter	Continuous 8x zoom & pan/tilt (digital)	Continuous 8x zoom & pan/tilt (digital)
Frame Rate (max.):	16 fps CIF • 16 fps VGA	30 fps MEGA • 20 fps 3MEGA	30 fps CIF • 30 fps VGA • 30 fps MEGA
Sensitivity:	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	0,1 lux (t=1/60sec) • 0,005 lux (t=1/1sec)
Interfaces:	Ethernet 10/100	Ethernet 10/100, USB, MxBus	Ethernet 10/100, USB, MxBus
Internal DVR:	./.	Up to 32 GB with MicroSD card	Up to 32 GB with MicroSD card
Audio/Telephony:	./.	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)
Power Sup. • In/Out:	PoE (IEEE 802.3af) • ./.	PoE (IEEE 802.3af) • Via ExtIO	PoE (IEEE 802.3af) • Via ExtIO
Software Features:	Distortion correction in MxCC, FTP, E-mail, video alarm manag., multiview	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
Arming • Triggering:	./.	365 day schedule • Multiple events	365 day schedule • Multiple events
External Storage:	./.	Up to 1 Terabyte on PC/Server/NAS	Up to 1 Terabyte on PC/Server/NAS
Prices:	£548 (MX-Q24Mi-Basic-D11)	£748 (MX-Q24M-Sec-D11)	£748 (MX-Q24M-Sec-Night-N11)




Accessories D22/D24/Q22/Q24 (More Accessories at www.mobotix.com)

			
Part Name:	D22/D24 Vandalism Set Matt	D22/D24/Q22/Q24 On-Wall Set IP65	D22/D24/Q22/Q24 10° On-Wall Set IP65
Description:	<ul style="list-style-type: none"> Reinforced dome (3mm Polyc.) Stainless steel vandalism ring (matt, polished or white, silver, black powder-coated) 	<ul style="list-style-type: none"> On-wall mount incl. mounting parts Concealed cabling Ø 165x37mm Excluding camera 	<ul style="list-style-type: none"> Includes on-wall mount and assembly parts for installing a camera at a 10° tilt angle Excluding camera
Prices:	£88 (MX-D24M-Vandal-ESMA)	£88 (MX-OPT-AP)	£88 (MX-OPT-AP-10DEG)

			
Part Name:	D22/D24/Q22/Q24 In-Ceiling Set	D22/D24/Q22/Q24 Wall Mount	D22/D24/Q22/Q24 Pole and Corner Mount
Description:	<ul style="list-style-type: none"> In-ceiling set incl. mounting parts Easy mounting from front Ø 150mm Excluding camera 	<ul style="list-style-type: none"> Weather protection (IP65) for D22, D24, Q22, Q24 cameras Covers RJ45 wall outlets Space for expansion modules (WLAN) 	<ul style="list-style-type: none"> 3mm stainless steel, powder-coated Pole diam.: 60 to 180mm Incl. mounting supplies
Prices:	£88 (MX-OPT-IC)	£88 (MX-OPT-WH)	£88 (MX-OPT-MH)

Can be ordered with stainless steel cover
MX-OPT-IC-ESMA

Camera Models D12

			
Model:	D12Di-IT	D12Di-Sec	D12Di-Sec-180°
Indoor/Outdoor:	Dual lens Indoor, IP54, -30 to + 60 °C	Dual lens Indoor, IP54, -30 to + 60 °C	Dual lens Indoor, IP54, -30 to + 60 °C
Lenses: (eq. 35mm)	2 Super Wide Angles (22mm, 90°, F 2.0) 32mm, 43mm, 65mm, 135mm 2 x VGA (je 640x480), color & B/W	2 Super Wide Angles (22mm, 90°, F 2.0) 32mm, 43mm, 65mm, 135mm 1 x 3MEGA (2048x1536 pixels), color 1 x MEGA (1280x960 pixels), B/W	2 Super Wide Angles (22mm, 90°, F 2.0) 1 x 3MEGA (2048x1536 pixels), color 1 x MEGA (1280x960 pixels), B/W
Resolution:	Continuous 8x zoom & pan/tilt (digital) 30 fps VGA • 30 fps CIF	Continuous 8x zoom & pan/tilt (digital) 30 fps CIF • 30 fps VGA • 14 fps MEGA	Continuous 8x zoom & pan/tilt (digital) 30 fps CIF • 30 fps VGA • 14 fps MEGA
Pan/Tilt/Zoom:	30 fps VGA • 30 fps CIF	30 fps CIF • 30 fps VGA • 14 fps MEGA	30 fps CIF • 30 fps VGA • 14 fps MEGA
Frame Rate (max.):	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	1 lux (t=1/60s) • 0,05 lux (t=1/1s)	1 lux (t=1/60s) • 0,05 lux (t=1/1s)
Sensitivity:	ISDN, Ethernet 10/100, RS232	ISDN, Ethernet 10/100, RS232	ISDN, Ethernet 10/100, RS232
Interfaces:	Up to 32 GB with SD card	Up to 32 GB with SD card	Up to 32 GB with SD card
Internal DVR:	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)	Bidirectional, IP Telephony (VoIP)
Audio/Telephony:	PoE or MX30V • 3xIN, 1xOUT	PoE or MX30V • 3xIN, 1xOUT	PoE or MX30V • 3xIN, 1xOUT
Power Sup. • In/Out:	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search 365 day schedule • Multiple events	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search 365 day schedule • Multiple events	FTP, e-mail, video alarm management, VideoMotion, Multiview, event search 365 day schedule • Multiple events
Software Features:	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS	Up to 1 TB on PC/Server/NAS
Arming • Triggering:			
External Storage:			
Prices:	£968 (MX-D12Di-IT)	£1,158 (MX-D12Di-Sec)	£1,158 (MX-D12Di-Sec-180°)

Accessories D12

			
Part Name:	D12 Pole and Corner Mount	D12 Wall Mount	
Description:	<ul style="list-style-type: none"> 3mm stainless steel, powder-coated Pole diam.: 60 to 180mm Incl. mounting supplies 	<ul style="list-style-type: none"> Weatherproof (IP65) for D12-Dome Robust and UV resistant PBT Concealed cabling Covers RJ45 wall outlets Possible to fit WLAN or GSM/GPRS equipment inside housing 	
Prices:	£88 (MX-MH-Dome-ESWS)	£138 (MX-WH-Dome)	
			
Part Name:	D12 Vandalism Set	D12 Vandalism Set	
Description:	<ul style="list-style-type: none"> Reinforced dome (3mm Polyc.) Stainless steel vandalism ring (matt or polished) 	<ul style="list-style-type: none"> Reinforced dome (3mm Polyc.) Stainless steel vandalism ring (white, silver or black powder-coated) 	
Prices:	£138 (MX-D12-Vandal-ESPO/ESMA)	£138 (MX-D12-Vandal-PUWH/PUGR/PUBL)	

Accessories All Cams

			
Part Name:	PoE Power Adapter Set	Network Power Box for 4 cameras	Network Power Rack (8/20 cameras)
Description:	<ul style="list-style-type: none"> Power supply via network cabling All cameras supplied by PoE 	<ul style="list-style-type: none"> Power supply for DIN rails For M12, M22, D12, D22, Q22, V12, DevKit series 	<ul style="list-style-type: none"> Power supply via network cabling For M12, M22, D12, D22, Q22, V12, DevKit series
Prices:	£98 (MX-NPA-PoE-Set-INT)	£368 (MX-NPR-4)	from £868 (MX-NPR-8 / MX-NPR-20)
			
Part Name:	Mx2Wire Pure White	ExtIO	Cam-IO-PoE/AC/ACplus
Description:	<ul style="list-style-type: none"> Ethernet and PoE using two-wire cable Up to 500 meters/up to 30 Mbps (netto) 7 watts via PoE 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Interface for external sensors and equipment (door contact, light, etc.) 2xRelais-Out, 2xInput, backup, audio Power supply via network / 230V / 230V battery buffered Compatible with M12 cameras
Prices:	Set price (2 units) £278 (MX-2Wire-Set-PW)	£188 (MX-ExtIO)	from £278 (MX-CAMIO-PoE)

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	-	-
D12Di-IT/D12Di-Sec-	-	-	D22	N22	D32	N32	D43	N43	D65	N65	D135	N135	-	-
Q24M-Basic-	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
Q24M-Sec-	D11	-	D22	-	-	-	-	-	-	-	-	-	-	-
Q24M-Sec-Night-	-	N11	-	-	-	-	-	-	-	-	-	-	-	-

This image shows a full page of white paper with horizontal blue dashed lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.

43

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

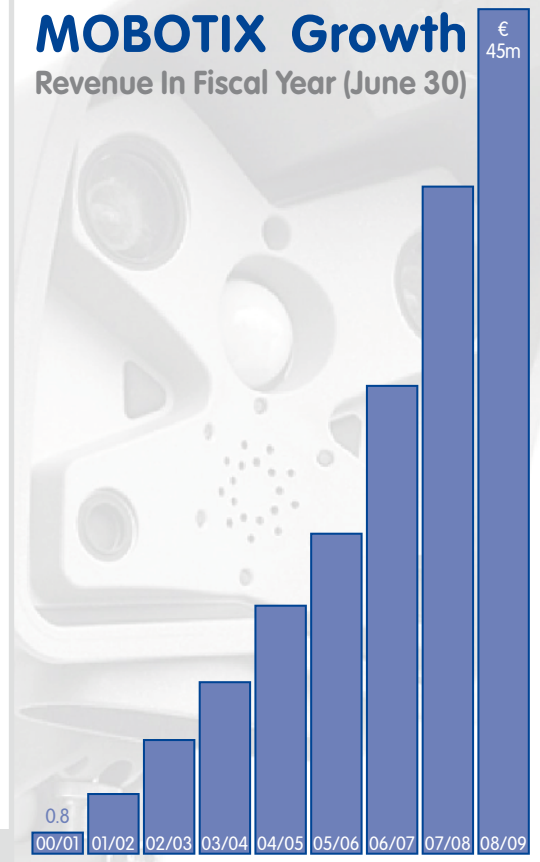
In just a short time, MOBOTIX has climbed to second place in Europe and fourth place worldwide in terms of market share. MOBOTIX has been exclusively manufacturing Megapixel cameras for many years now and with a market share of over 60%, is regarded as **the global market**

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 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 (June 30)



2008/2009 Sales
45 Million Euro

Sales Growth
+ 27.1 %



... Checklist For Video Surveillance

Compare Us!

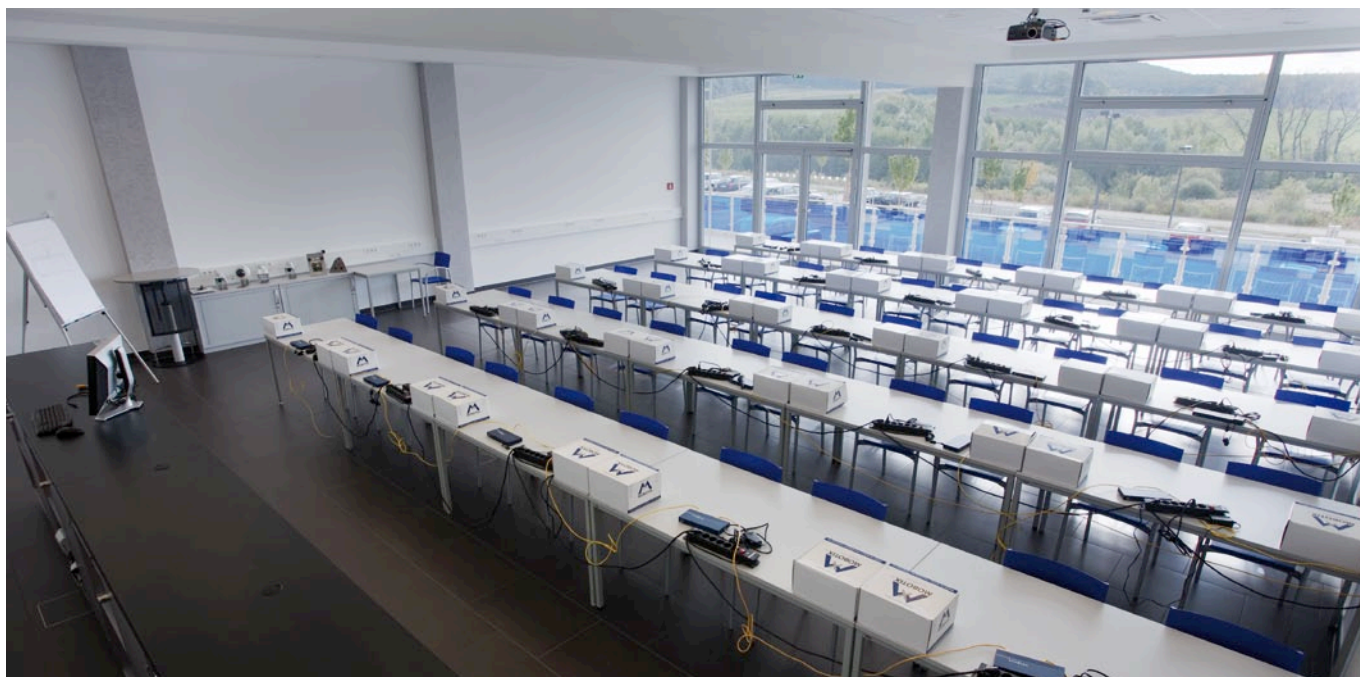
Use this helpful decision guide: answer the individual questions to compare MOBOTIX directly with another vendor of your choice.

	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 -30° to +60° Celsius.	<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
7.5 Million Euro

EBIT Margin
22.9 %

MOBOTIX Campus

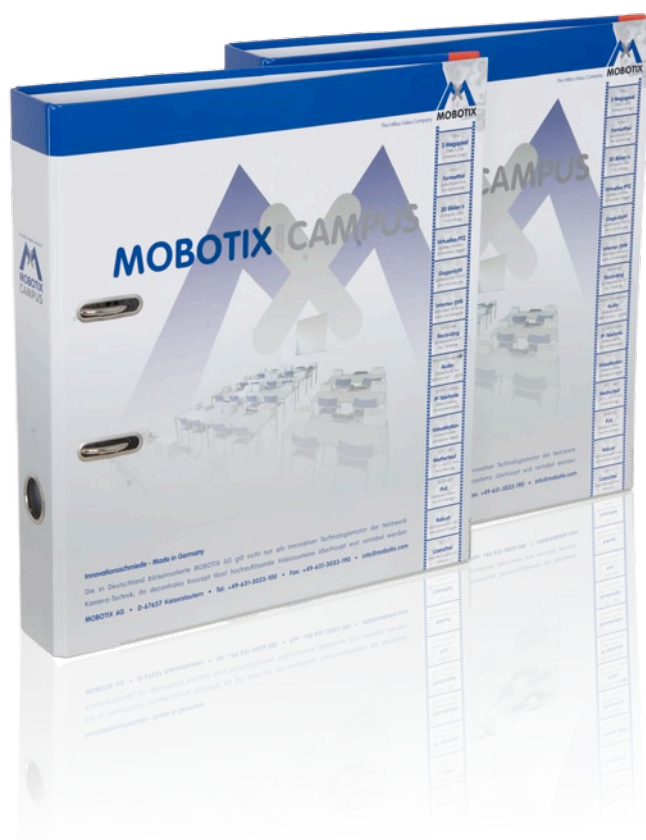


The new MOBOTIX Campus Training Center at the company headquarters in Langmeil, Germany, offers a range of training programs for MOBOTIX partners and their customers.

The **Basic Seminar** conveys simple guidelines for the successful deployment of MOBOTIX cameras.

The **Advanced Seminar** builds on the contents of the Basic Seminar. Additionally, the Advanced Seminar provides a practical introduction to the MOBOTIX MxControlCenter video management software.

The **Sales and Project Planning Workshop** goes into the business and technology aspects of projects involving MOBOTIX camera systems.



MOBOTIX Training And Seminars

MOBOTIX provides an in-house Training Center with a diverse range of training programs for customers, partners, security companies and any other interested parties. For further information and online registration, please visit www.mobotix.com.



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high-resolution, digital & cost-effective recording



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3 Megapixel2048 x 1536
Software zoom

Skyline

Format freeEach image format
freely definable**30 Frames/s**VGA (640 x 480)
30 F/s Mega**Virtual PTZ**Digital pan, tilt,
zoom**Backlight**Safe using CMOS
without mechanical iris**Internal DVR**Internal via Flash,
external via Network

Win/Lin/Mac

Recordingvia Network on PC
up to 1 Terabyte

Microphone & speaker

Audiobi-directional via IP,
variable framerates

SIP-Client with video

IP TelephonyAlarm notify,
cam remote control**VideoMotion**Multiple windows
precision pixel-based

-22 to +140 °F

Weatherproof-30 to +60 °C, IP65,
no heating necessary

IEEE 802.3af

PoENetwork power
even in winter**Robust**No moving parts
fiber glass housing

MxCC/MxEasy

Licence freeVideo-Management-
Software**HiRes Video Innovations**

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

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