



The HiRes Video Company

MOBOTIX

Complete HiRes Video Solutions

high-resolution, digital & cost-effective recording



HiRes

3 Megapixel
2048 x 1536
Software zoom

Skyline

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

Win/Lin/Mac

Recording
via Network on PC
up to 1 Terabyte

Microphone & speaker

Audio
bi-directional via IP,
variable framerates

SIP-Client with video

IP Telephony
Alarm notify,
cam remote control
VideoMotion
Multiple windows
precision pixel-based

-22°F ... +140°F

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

IEEE 802.3af

PoE
Network power
even in winter
Robust
No moving parts
fiber glass housing

MxCC

Licence free
Video-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.

MOBOTIX CORP • Manhattan (NY) • Phone: 888-MOBOTIX (662 6849) • us-sales@mobotix.com • Made in Germany

The MOBOTIX Concept

Was Somewhat Out Of Ordinary ...

M12D-Secure: Outdoor Day&Night



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, 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%.

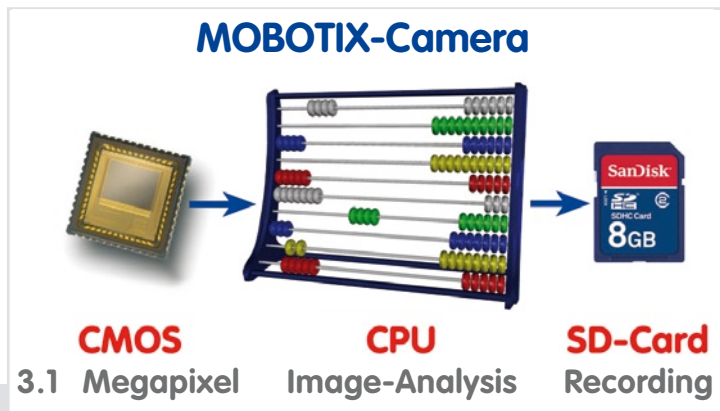
Why high-resolution systems?

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 old centralized 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 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 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°C 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 the SD card is under \$1300.



Standardised 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

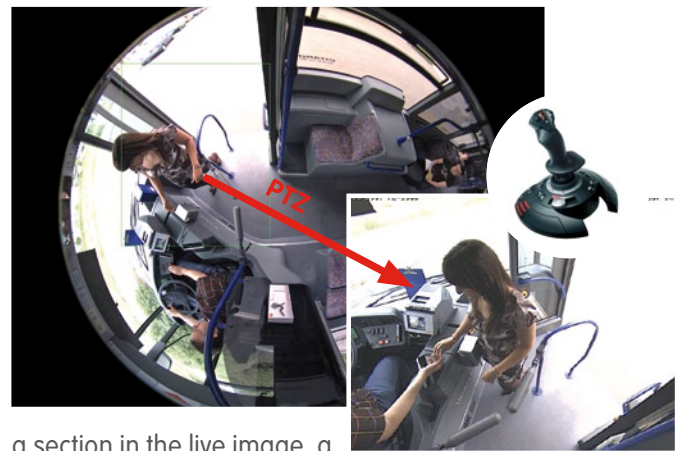
With the innovative MOBOTIX Hemispheric Technology, an entire room can be ideally monitored. For instance, one single, and particularly elegant and discreet, Q22 for only \$698 replaces the time-consuming and expensive installation of several standard cameras. This world novelty demonstrates again the 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 Q22 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 Q22 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.



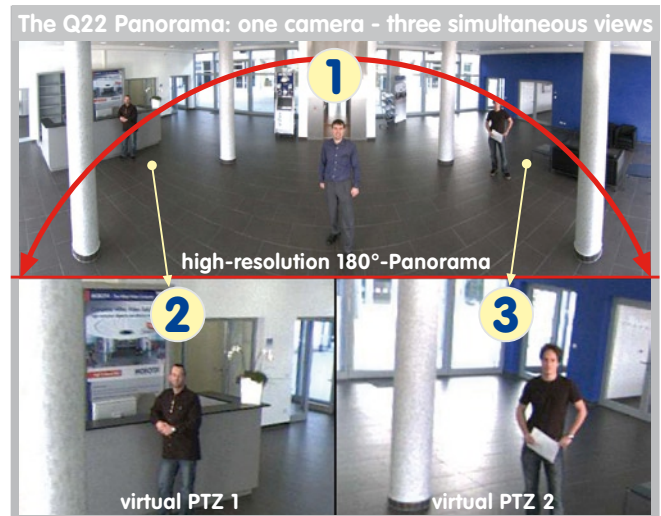
... Hemispheric Camera

One Camera, More Views

The surround function of the Q22 (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 Q22 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“).

Highest User-Friendliness

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.



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 Q22 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 16 GB

The Q22 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 100,000 panorama images or 1,000 minutes of film.

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 Superior MOBOTIX ...



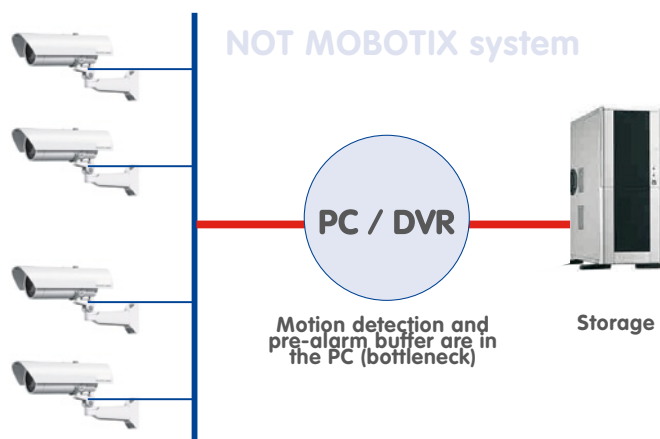
The Market Demands Better Image Quality

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 pre-processed 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.



Central PC is a bottleneck and a risk for the total system

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 SD or CF cards with 16 GB, 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.



Software and storage integrated in the MOBOTIX camera

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 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

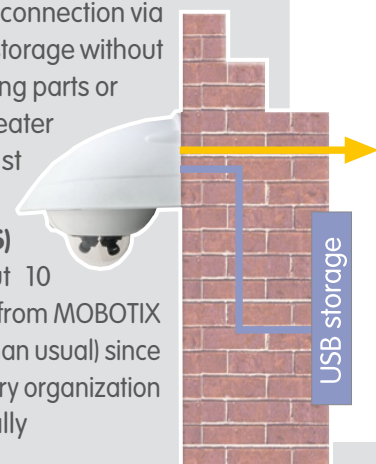
The MOBOTIX system includes three important additional options that allow more data to be stored for a longer time:

- 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

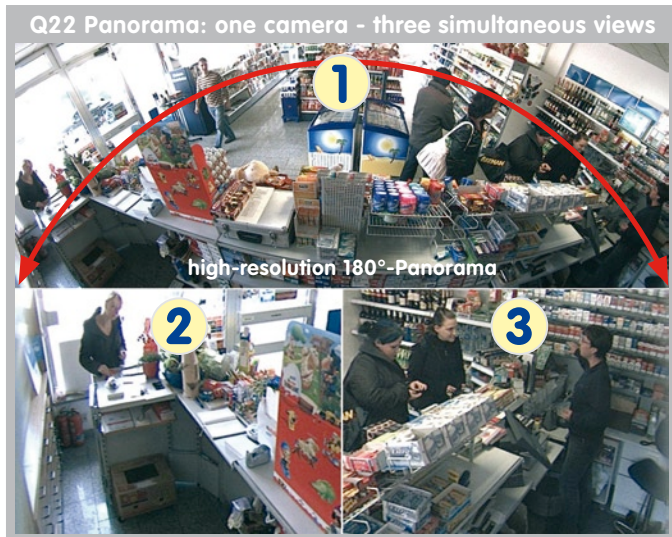
- **Inside the camera** - a 16 GB SD card is enough to record all day long, making central data storage devices or PCs unnecessary
- in **USB memory** (connection via USB cable) data storage without mechanical moving parts or network load (greater protection against data theft)
- a **file server (NAS)** can store about 10 times more data from MOBOTIX HiRes cameras (than usual) since they use a memory organization structure internally



16 GB Flash Memory

Long-term recording directly in the camera; the 16 GB provide space for about 90,000 single images (2 days at 30 frames/min.) or 1000 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.

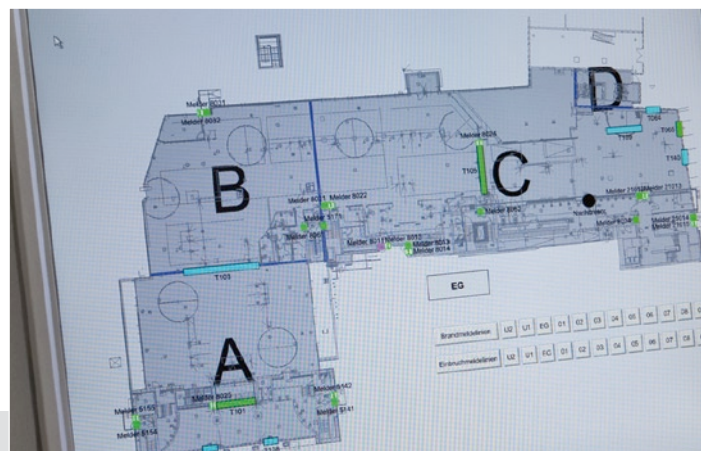
Notification Of Failure

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



MxControlCenter Software

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



... Added Security Value

Sound Increases The Chance Of Detection

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

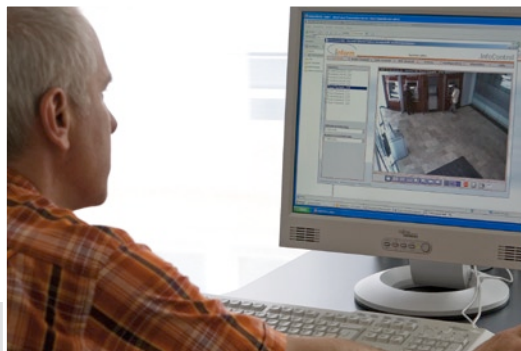
No Problems With Counterlight

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



M22M

from \$798

- **Exchangeable lens camera** for indoor/outdoor use (IP65)
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- Exchangeable lenses from Super Wide Angle (90°) to Tele (15°); optional with C-/CS-Vario
- Color sensor 1 lux at 1/60 sec, 0.05 lux at 1 sec exposure time
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Universal wall/ceiling mount perfectly covers RJ45 outlets and conceals the cabling
- Internal DVR (8 GB) possible, recording without network load

DualNight



M12D

from \$1198

- **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 sec, 0.005 lux at 1 sec 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 (1 x signal input, 1 x signal output), RS232
- Internal DVR (up to 16 GB), recording without network load

MonoDome



D22M

from \$648

- **FixDome camera** for flexible mounting, for indoor and outdoor (IP65)
- **Optional vandalism, On-Wall and In-Ceiling sets**
- **3MEGA-resolution** (QXGA, 2048x1536 pixels)
- Exchangeable lenses from Super Wide Angle (90°) to Tele (15°)
- Color sensor 1 lux at 1/60 sec, 0.05 lux at 1 sec exposure time
- Vandalism set consists of stainless steel ring (polished, matt, powder-coated) and reinforced dome
- On-Wall set features concealed cabling, space for expansion modules (batteries, UMTS, WiFi, etc.)
- Outdoor wall mount (IP65) with space for expansion modules
- Internal DVR (up to 16 GB), recording without network load

DualDome



D12D

from \$1198

- **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
- PIR sensor for motion detection in the dark
- Microphone and speaker with full audio functionality (VoIP and SIP telephony with video)
- Integrated switch functions (1 x signal input, 1 x signal output), RS232
- Internal DVR (up to 16 GB), recording without network load

German Reference Projects

Daimler AG, Deutsche Bahn Station & Service AG, EON Wasserkraft, Le Méridien Parkhotel Frankfurt, MAN Logistics, Max Planck Institute for Chemical Ecology, Commerzbank AG, Skoda Auto Deutschland GmbH, Rheinkalk GmbH, Kliniken Maria Hilf GmbH, Zellstoff Stendal GmbH, etc.



Hemispheric

Q22M

A World First

from \$698



- **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
- Robust and maintenance-free, without mechanically moving parts
- Alarm function, speaker and microphone integrated
- Perfect design with low installation height, compatible with all D22 accessories
- Internal DVR (up to 16 GB), recording without network load

DevKit

from \$1376



- **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 (1 x In, 1 x Out), RS232
- Internal DVR (up to 16 GB) – no network load during recording
- Without sensor boards (to be ordered separately)
- Without MxLink Extension Set (to be ordered separately)

MxLink

\$150



- 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)

ExtIO

from \$298



- Functional extension for all **MOBOTIX** camera models
- Direct **USB** linking available to M12, M22, D12 and D22
- Direct network linking for all camera models
- 2 illuminated buttons
- 2 x In (electrically isolated), 2 x Out (self-powered)
- Twilight sensor, PIR sensor, temperature sensor
- Microphone and loudspeaker

International Reference Projects

Garfield County Airport (USA), German Antarctic Receiving Station (GARS) - O'Higgins (Antarctic), British Republic Polytechnic (Singapore), Manly Beach (Australia), Heineken House (Olympic Games, Beijing), Orange Mobile (Romania), Integra2 (Barcelona, Spain), Bahrain Defense Hospital (Bahrain), etc.

MOBOTIX Product Overview

CamIO



from \$398

- Interface base unit for M12 and M22 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

Video IP Door Station



10/100 Mbit & PoE

- MOBOTIX door station based on the international VoIP/SIP video telephony standard
- 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

Available in 2009

Mx2wire



10/100 Ethernet & PoE

Set Price \$548

- 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 40 Mbps, depending on distance
- Connected devices are supplied with up to 8 watts via PoE
- Simple installation in standard socket frames or surface-mounted sockets
- Developed and manufactured by MOBOTIX in Germany

Available in 2009

MxEasy



\$0

- Easy-to-use **video management software**, ideally designed for the wide range of functions of the MOBOTIX cameras
- Monitoring 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 security environments
- Platform-independent format (Windows, MAC; Linux in planning)

MxCC 2.0



\$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

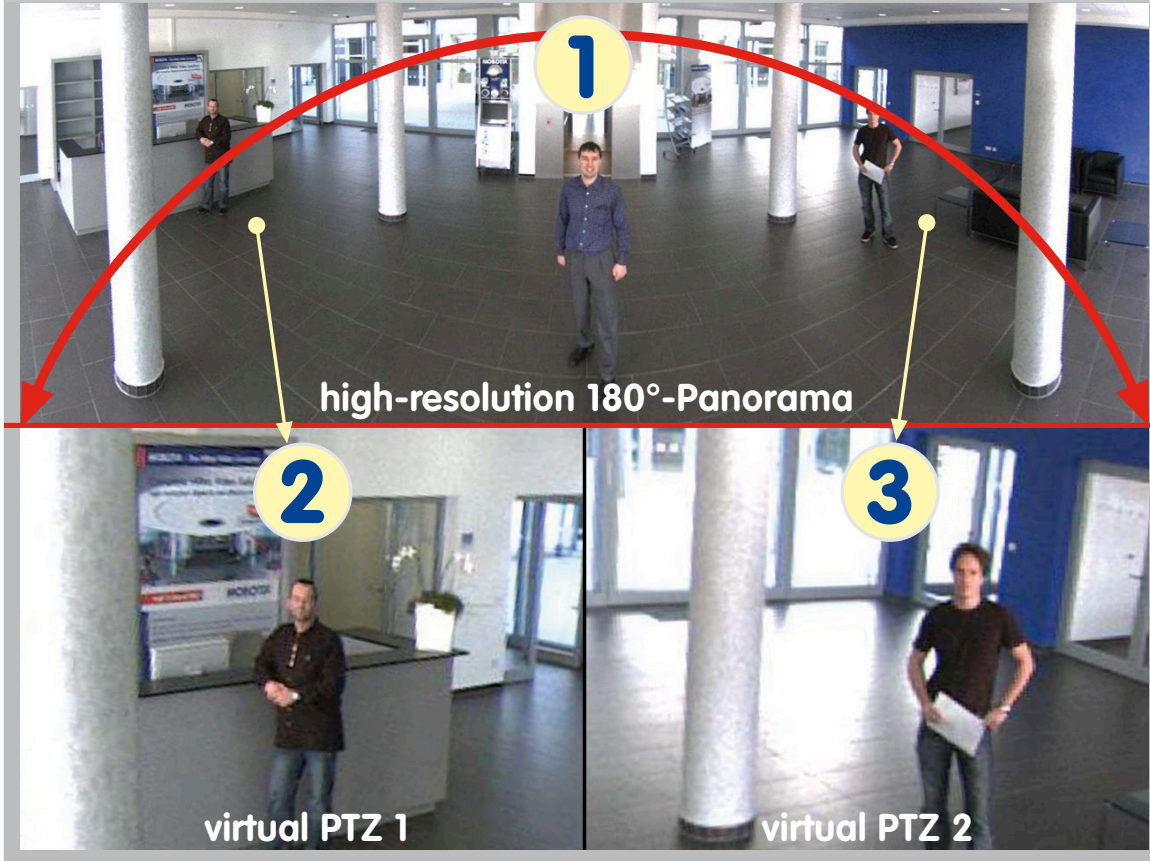
Q22 Special Offer



The HiRes Video Company

MOBOTIX

The Q22 Panorama: one camera - three simultaneous views



Special offer: Hemispheric camera incl. accessories

- 1x MOBOTIX hemispheric camera Q22M-Sec
- 3,1 megapixel color sensor: 2048 x 1536 pixels
- Integrated DVR: 16 GB SD card (90.000 single images or over 3 days with 20 images per minute)
- Professional control and search software can be downloaded for free
- NPA Set: Power supplied through network cable (instead of PoE switch)

only \$998* (Order Nr.: MX-Bundle-Q22-16GB)



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

*MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1,4842USD, 27.11.2007 Information subject to change without notice!

**Quality
Made In Germany**

**Customer Service &
Ordering Information
888-MOBOTIX (662 6849)**



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 Q22 can be used in all new scenarios.



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
- Alarm function, speaker and microphone integrated

... starting at \$698* incl. video management software

© MOBOTIX AG • MSRP (Manufacturer's suggested retail prices) • Prices ex-works Charleston, South Carolina (SC), USA (EXW) • Excluding VAT and any other handling charges • Calculated at FXR 1EUR = 1.4842USD, 27.11.2007
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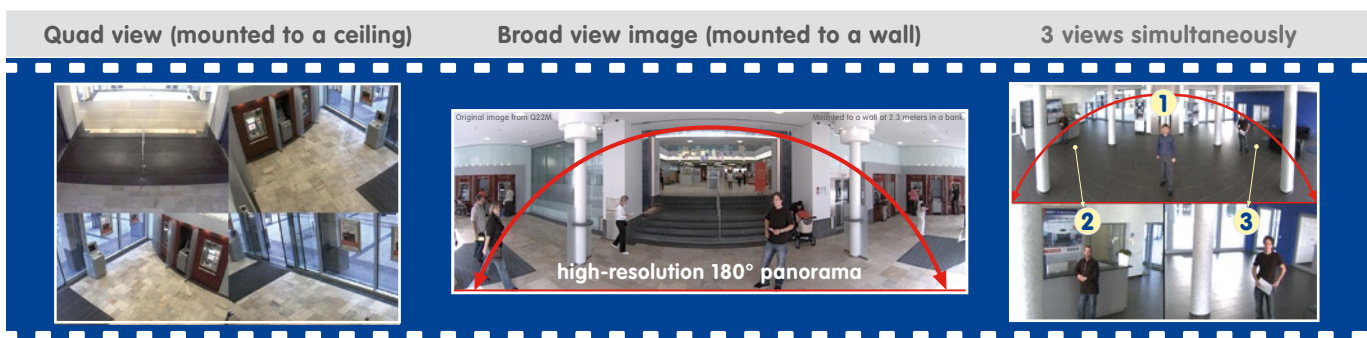
Q22 - The Perfect Overview

The Q22 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 Q22 Hemispheric | |
|--|--|
| Models | Basic, Sec |
| Lenses | L11 (hemispherical), L22 (90° x 67°) |
| Sensitivity | Color: 1 lux (t=1/60 sec), 0,05 lux (t=1/1 sec) |
| Sensor | 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3 Mega) |
| Image format | Free image format selection (from 160x120 to 2048x1536) PTZ view Quad view when mounted to a ceiling Panorama broad view image when mounted to a wall Panorama focus with 3 views |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Slot for SD card (up to 16 GB) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video-Management-Software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital Pan/Tilt/Zoom, continuous 8x zoom |
| Alarm/Events | Triggering of events by integrated multiple-window motion detection, temperature sensor, notification over email, FTP, IP-Telephony (VoIP, SIP), visual/acoustic alarm, Pre- and post-alarm images |
| Audio | Integrated microphone and speaker, lip-synchronous audio, two-way speaker, audio recording |
| Interfaces | Ethernet 10/100 |
| Audio/Telephony | VoIP, SIP, two-way speaker, event notification |
| Security | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE |
| Power supply | Year-round Power over Ethernet (IEEE 802.3af; Class 0), Netpower-Adapter, typ. 4 W |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F) |
| Dimensions | Ø x H: 16 x 5 cm, Weight: ca. 450 g |
| Standard delivery | Housing (high-resistance composites - PBT-PC), white, shock proof polycarbonate dome (transparent), incl. 360° lens, mounting parts, allen wrench, patch cable S/FTP yellow 8-wire 50 cm (double-shielded), manual, software |

Technical information subject to change without notice.

| Q22 Hemispheric | Available Accessories Q22 Hemispheric Camera | | |
|--|--|--|--|
| <p>Standard Housing MX-Q22M-Sec</p>  <ul style="list-style-type: none"> Hemispherical allround view 360° For wall and ceiling mounting Robust and maintenance-free, without mechanically moving parts | <p>Vandalism Housing MX-Q22M-Sec-Vandal</p>  <ul style="list-style-type: none"> Stainless steel vandalism housing incl. lens protection Matt, polished or white, silver, black powder-coated | <p>In-Ceiling-Set MX-D22M-OPT-IC</p>  <ul style="list-style-type: none"> In-Ceiling set incl. mounting parts Easy mounting from front 150 mm installation standard | <p>ExtIO Extension Module MX-ExtIO</p>  <ul style="list-style-type: none"> Microphone/speaker PIR sensor for motion detection, temperature sensor Integrated switch functions |



Q22 – Quad View

A Q22 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 Q22, 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 \$1198* 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

| Technical Specifications M12 DualNight | |
|--|---|
| Models | Web, IT, IT-DNight, Sec, Sec-DNight, Sec-R8 |
| Lenses | 22 to 135 mm format, horizontal angle 90° to 15° |
| Sensitivity | Color: 1 lux (t=1/60 s), 0,05 lux (t=1/1 s) B/W: 0,1 lux (t=1/60 s), 0,005 lux (t=1/1 s) |
| 2 Sensors | 2 x 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3Mega), Black/White: 1280 x 960 (Mega) |
| 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) |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Slot for SD card (up to 16 GB) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video-Management-Software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital Pan/Tilt/Zoom, continuous 8x zoom |
| 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 |
| Audio | Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording |
| Interfaces | Ethernet 10/100, USB, ISDN, RS232, 1 x In, 1 x Out, Audio Line-In/Line-Out |
| Audio/Telephony | VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification |
| Security | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE |
| Power supply | Year-round Power over Ethernet (IEEE 802.3af; Class 0), Netpower-Adapter, typ. 2,5 W |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F) |
| Dimensions | WxDxL: 14,2 x 15,5 x 17 cm, Weight: ca. 850 g (incl. wall mount) |
| Standard delivery | Weatherproof housing (reinforced composites - PBT-30GF), 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, manual, software |

Technical information subject to change without notice!

| M12 DualNight | Available Accessories M12 DualNight | | | | |
|---|--|---|---|--|---|
| Standard Housing MX-M12D-Sec-DNight  <ul style="list-style-type: none"> DualNight Camera with two separate image sensors for day and night-time operation automatic day/night switching | Wall/Ceiling Mount MX-WH-SecureFlex  <ul style="list-style-type: none"> concealed cabling covers RJ45 wall outlets | Pole Mount MX-MH-SecureFlex-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-5ei-DE  <ul style="list-style-type: none"> Power supply over PoE All camera models (MX30V) | CamIO Extension Module MX-CAMIO-AC-230  <ul style="list-style-type: none"> 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  <ul style="list-style-type: none"> Microphone/speaker PIR sensor for motion detection, temperature sensor Integrated switch functions |

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

*not for M12 models

M12 - HiRes Video Around The Clock

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

Allround Camera M22



More Camera For Less. Guaranteed!

The professional and low-cost exchangeable-lens camera is suitable for indoor and outdoor use. Internal, digital video recorder with up to 8 GB of storage capacity and HiRes recording up to 3.1 megapixels. Over 30 times more detail than CIF!



MOBOTIX HiRes video replaces up to 6 cameras ...

- Individual choice of lens: tele/wide-angle, day/night
- Wide range of applications from webcam to video security
- Fast, simple installation on wall, mast 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), (IP65)
- Digital continuous zoom, pan and tilt
- Integrated microphone, speaker

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

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M22 - The Robust All-Rounder

The attractively priced professional solution with exchangeable lenses for indoor and outdoor recording. The lenses can be freely selected: from super wide angle (90°) to telephoto lens (15°).

Technical Specifications M22



The HiRes Video Company

| Technical Specifications M22 Allround | |
|--|---|
| Models | IT, IT-Night, Sec, Sec-Night, Sec-CSVario, Sec-R8 |
| Lenses | 22 to 135 mm format, horizontal angle 90° to 15° |
| Sensitivity | Color: 1 lux (t=1/60 s), 0,05 lux (t=1/1 s) B/W: 0,1 lux (t=1/60 s), 0,005 lux (t=1/1 s) |
| Sensor | 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3Mega), Black/White: 1280 x 960 (Mega) |
| 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) |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Internal flash recording up to 8 GB (optional) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video-Management-Software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital Pan/Tilt/Zoom, continuous 8x zoom |
| 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 |
| Audio | Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording |
| Interfaces | Ethernet 10/100, USB |
| Audio/Telephony | VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification |
| Security | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE |
| Power supply | Year-round Power over Ethernet (IEEE 802.3af; Class 0), Netpower-Adapter, typ. 2,5 W |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F) |
| Dimensions | WxDxL: 13,5 x 20 x 13 cm, Weight: ca. 600 g |
| Standard delivery | Weatherproof housing (reinforced composites - PBT-30GF), white, SecureFlex wall/ceiling mount with turn/tilt mount and concealed cabling, covers RJ45 wall outlets, incl. lens, Polycarbonate lens cover, mounting parts, allen wrench, patch cable, manual, software |

Technical information subject to change without notice!

| M22 Allround | Available Accessories M22 Allround | | | | |
|---|---|--|---|--|---|
| Standard Housing MX-M22M-Sec-D22  <ul style="list-style-type: none"> Allround camera with individual choice of lens Incl. lens protection Fast, simple installation on wall, mast or ceiling | Pole Mount MX-MH-SecureFlex-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 | Glass Lens Cover MX-M22M-OPT-LCSG  <ul style="list-style-type: none"> Lens protection for extreme weather conditions Scratch-proof glass For all lenses | Power-Adapter-Set MX-NPA-Set-DE  <ul style="list-style-type: none"> Power supply over PoE All camera models (MX30V) | Power-Box 4 Cameras MX-NPR-4  <ul style="list-style-type: none"> Power supply for top hat rail All camera models (MX30V) | ExtIO Extension Module MX-ExtIO  <ul style="list-style-type: none"> Microphone/speaker PIR sensor for motion detection, temperature sensor Integrated switch functions |

| | 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 |

M22 - The Robust All-Rounder

The attractively priced professional solution with exchangeable lenses for indoor and outdoor recording. The lenses can be freely selected: L3: from Super Wide Angle (90°) to Telephoto lens (15°).

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 securing 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 \$1198* 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

| Technical Specifications D12 DualDome | |
|--|---|
| Models | IT, IT-DNight, Sec, Sec-DNight, Sec-180°, Sec-R8 |
| Lenses | 22 to 135 mm format, horizontal angle 90° to 15° |
| Sensitivity | Color: 1 lux (f=1/60 s), 0,05 lux (f=1/1 s) B/W: 0,1 lux (f=1/60 s), 0,005 lux (f=1/1 s) |
| 2 Sensors | 2 x 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3Mega), Black/White: 1280 x 960 (Mega) |
| 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) |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Slot for SD card (up to 16 GB) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video-Management-Software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital Pan/Tilt/Zoom, continuous 8x zoom |
| 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 |
| Audio | Integrated microphone and speaker, Line-In/Line-Out, lip-synchronous audio, two-way speaker, audio recording |
| Interfaces | Ethernet 10/100, USB, ISDN, RS232, 1 x In, 1 x Out, Audio Line-In/Line-Out |
| Audio/Telephony | VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification |
| Security | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE |
| Power supply | Year-round Power over Ethernet (IEEE 802.3af; Class 0), Netpower-Adapter, typ. 4 W |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F) |
| Dimensions | Ø x H: 20,1 x 11 cm, Weight: ca. 650 g |
| 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, manual, software |

Technical information subject to change without notice!

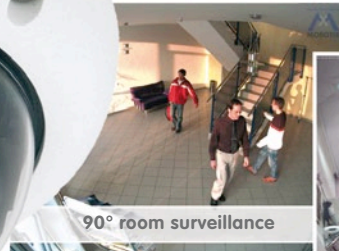
| D12 DualDome | Available Accessories D12 DualDome | | | | |
|---|--|---|---|---|---|
| Standard Housing MX-D12Di-Sec  <ul style="list-style-type: none"> FixDome camera with two independent, individually adjustable image sensors Simultaneously records an entire room & selected details | Vandalism Set MX-D12D-Vandal-Kit  <ul style="list-style-type: none"> Dome (3 mm Po-lyc.) Stainless steel vandalism housing in polished or matt, 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-D12D-OPT-WHMH-Set  <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 over PoE All camera models (MX30V) | ExtIO Extension Module MX-ExtIO  <ul style="list-style-type: none"> Microphone/speaker PIR sensor for motion detection, temperature sensor Integrated switch functions |

| | 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 D22



Fits In. Watches Out.

Inconspicuous surveillance with state-of-the-art technology. The D22 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
- Robust, low-maintenance and weatherproof from -30° to +60°C (-22° to +140°F), (IP65)
- Digital continuous zoom, pan and tilt
- Can be upgraded to an intercom system with the MOBOTIX ExtIO module

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

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Information subject to change without notice!

D22 - Compact, Cost-Efficient And With High Resolution

The many, easy-to-replace lens options of the D22 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 D22 MonoDome | |
|--|---|
| Models | Basic, IT, IT-Night, Sec, Sec-Night |
| Lenses | 22 to 135 mm format, horizontal angle 90° to 15° |
| Sensitivity | Color: 1 lux (f=1/60 s), 0,05 lux (f=1/1 s) B/W: 0,1 lux (f=1/60 s), 0,005 lux (f=1/1 s) |
| Sensor | 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3Mega), B/W: 1280 x 960 (Mega) |
| 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) |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Slot for SD card (up to 16 GB) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video-Management-Software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital Pan/Tilt/Zoom, continuous 8x zoom |
| 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 |
| Audio | Optional via ExtIO, video VoIP supported |
| Interfaces | Ethernet 10/100, USB, Audio (microphone/speaker) |
| Audio/Telephony | VoIP, SIP, two-way speaker, remote controlling of the camera in- and outputs, event notification |
| Security | User-/Group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | BGV C 9; EMC: DIN EN 61000, DIN EN 50155 (shock, vibration, temperature), FCC part 15B; CE |
| Power supply | Year-round Power over Ethernet (IEEE 802.3af, Class 0), Netpower-Adapter, typ. 2,5 W |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60 °C (-22°F to +140°F) |
| Dimensions | Ø x H: 16 x 8,6 cm, Weight: ca. 350 g |
| Standard delivery | Housing (high-resistance composites - PBT-PC), white, shockproof polycarbonate dome (transparent), free choice of lenses, mounting parts, allen wrench, patch cable, manual, software |

Technical information subject to change without notice!

Available Accessories D22 MonoDome

| In-Ceiling Set MX-D22M-OPT-IC | On-Wall Set MX-D22M-OPT-AP | Vandalism Set MX-D22M-Vandal-Kit | Outdoor Wall Mount MX-D22M-OPT-WH | Pole Mount MX-D22M-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 | <ul style="list-style-type: none"> Consists of On-Wall mount and mounting parts Protects the cabling allows integrating additional modules | <ul style="list-style-type: none"> Reinforced dome (3 mm Polyc.) Stainless steel vandalism housing polished or matt, in 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 detection, temperature sensor Integrated switch functions |

| | 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 |

D22 - Compact, Cost-Efficient And With High Resolution

The many, easy-to-replace lens options of the D22 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 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 \$1376* (DevKit board incl. protective housing, 1 sensor & 1 lens)



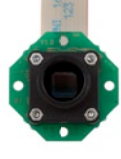
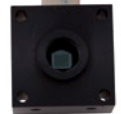


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Information subject to change without notice!

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 | |
|--|---|
| Models | Sec |
| Lenses | 22 to 135 mm format, horizontal angle 90° to 15°, CS lenses can also be used (see CS adapter) |
| Sensitivity | Color: 1 lux (t=1/60 s), 0.05 lux (t=1/1 s) B/W: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s) |
| Sensor | 1x or 2 x 1/2" CMOS, progressive scan |
| Max. image resolution | Color: 2048 x 1536 (3Mega), Black/white: 1280 x 960 (Mega) |
| 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) |
| Max frame rate (M-JPEG) (Live/Recording) | VGA: 16 fps, TV-PAL: 12 fps, Mega: 6 fps, 3Mega: 4 fps |
| Video stream (MxPEG) (Live/Recording/Audio) | VGA: 30 fps, TV-PAL: 24 fps, Mega: 14 fps, 3Mega: 10 fps |
| Image compression | MxPEG, M-JPEG, JPG, H.263 (Video-VoIP-Telephony) |
| Internal DVR | Slot for SD card (max. 16 GB) |
| External storage | Directly on NAS and PC/Server without additional recording software |
| Software (inclusive) | Video management software MxEasy, Control room software MxControlCenter |
| Image processing | Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection) |
| Virtual PTZ | Digital pan/tilt/zoom, continuous 8x zoom |
| Alarm/Events | Events are triggered by integrated multi-window motion detection, external signal, temperature sensor, pre- and post-alarm images, notification via e-mail, FTP, telephony (VoIP, SIP), ISDN, visual/acoustic alarm or switching output |
| Audio | Integrated microphone and loudspeaker, line-in/line-out, lip-synchronous audio and audio recording |
| Interfaces | Ethernet 10/100, ISDN, USB, RS232, 1x In, 1x Out, Audio Line-In/Line-Out, emergency power supply |
| Video/Telephony | VoIP/SIP, two-way speaker, remote control of camera in- and outputs, event display |
| Security | User/group management, HTTPS/SSL, IP address filter, IEEE 802.1x, Intrusion Detection |
| Certificates | EMC (living environments, industry, rail), CE, FCC |
| Power supply | Power over Ethernet (IEEE 802.3af; Class 0) |
| Operating conditions | IP65 (DIN EN 60529), -30° to +60°C, (-22° to +140°F) |
| Dimensions | WxDxH: 14.8 x 5.1 x 21.1 cm, weight: approx. 610 g (DevKit + housing), approx. 100 g, (board) |
| Standard delivery | Transparent board housing, software manual, patch cable, assembly key, mounting screws. Sensor boards, lenses and MxLink must be ordered separately! |

Technical information subject to change without notice!

| M12-DevKit | Available Accessories M12-DevKit | | | | |
|---|--|---|---|---|--|
| <p>DevKit in protective housing MX-M12-DevKit-Board</p>  <ul style="list-style-type: none"> Dual-camera board Up to two image sensors Day and night operation Protective housing (IP65) | <p>DevKit extension (1m) MX-Link-1</p>  <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 | <p>Sensor boards (M14) Color: MX-M12-DevKit-C B/W: MX-M12-DevKit-BW</p>  <ul style="list-style-type: none"> Color sensor: 2048x1536 Sensitivity: 1-0.05 lux B/W sensor: 1280x960 Sensitivity: 0.1-0.005 lux M14 lens mount 30 cm ribbon cable (12") | <p>Sensor in aluminum block (M14) MX-M12-DevKit-M14-C MX-M12-DevKit-M14-BW</p>  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 M14 lens mount Aluminum block 30 cm ribbon cable (12") | <p>Sensor in aluminum block (CS) MX-M12-DevKit-CS-C MX-M12-DevKit-CS-BW</p>  <ul style="list-style-type: none"> Color sensor: 2048x1536 B/W sensor: 1280x960 CS lens mount Aluminum block 30 cm ribbon cable (12") | <p>CSVario lens MX-OPTCS-L24-54</p>  <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 | Certificates | EMV (DIN 61000), FCC Part 15 for Class B Devices |
| 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°F to +140°F) (DIN EN 50125) |
| Sensors | Passive IR motion detector (PIR) Temperature sensor for environmental temperature Dawn sensor 2 illuminated buttons | Power supply | USB, Power over Ethernet (PoE) |
| | | Power input | typ. 1 W |
| | | Dimensions | Ø x H: 16 x 4,5 cm, compatible with D22 accessories |
| | | Weight | ca. 430 g |
| | | Standard delivery | Housing (high-resistance composites - PBT-30GF), white, speaker cable, mounting parts, patch cable, manual |

Technical information subject to change without notice!

ExtIO

ExtIO Extension Module MX-ExtIO



- Microphone/speaker
- IR motion detector (PIR), temperature sensor
- Signal input/Signal output

Available Accessories for ExtIO

In-Ceiling Set MX-D22M-OPT-IC



- 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

On-Wall Set MX-D22M-OPT-AP



- Consists of on-wall mount and mounting parts
- Reliably protects the cabling
- 165 mm x 37 mm

Outdoor Wall Mount MX-D22M-OPT-WH



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

Pole Mount MX-D22M-OPT-MH



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

ExtIO - Intelligent Technology For Combined Systems

The practical and functional ExtIO module can be easily combined with all MOBOTIX cameras 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 500 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 | Certifications | VDE (AC, ACplus), EMC (DIN 61000), FCC Part 15 for Class B Devices |
| 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 (DIN EN 50125) |
| Input contacts | 2 galvanically isolated input contacts: 8V to 325V (depending on model), max. 100mA | Power supply | Power over Ethernet (PoE); 230V (AC); 230V/battery (ACplus only M12) |
| Output contacts | 2 output contacts (230V/500W per relay), of which 1 isolated relay, 1 switch, 48V to 230V (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.) |
| | | Included delivery | Durable plastic housing (PBT-30GF), 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 Cameras | |
|--|--|---|--|--|
| 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 Cables MX-CamIO-OPT-M22 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 | Allround M22 MX-M22M-Sec-D22  <ul style="list-style-type: none"> • Allround camera with Individual choice of lens • Incl. lens protection • Fast, simple installation on wall, mast or ceiling | 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.

Video IP Door Station

Available in 2009



Video IP Door Station With Image Storage

MOBOTIX is introducing a new Door Communications product range based on the international VoIP/SIP video telephony standard. The doorbell triggers a network connection to a video telephone or to a computer. Thanks to a 3.1 megapixel camera with a hemispheric lens, the entire overall scene outside the house door can be viewed. The image section to be viewed can be selected directly from the telephone via virtual PTZ without physically moving the camera lens.

The door station records all the exterior activities with sound. It can be triggered automatically by the doorbell, motion sensors or electrical contacts. The door station and opener can be powered from a power cable or directly from the double-core doorbell cable (only with the optional new Mx2wire Extension Set). This way, any existing door intercom system can be easily upgraded to a versatile access control system based around a multifunctional high-resolution MOBOTIX camera.

Elegant Design

The MOBOTIX VoIP Door Station is designed to match the SIEDLE "VARIO" modular system and can be easily integrated with common modules such as doorbell buttons, motion sensors and lighting controls.

Mx2wire



Ethernet & PoE Via Two-Wire Cable

Using the new Mx2wire system from MOBOTIX, an Ethernet network with PoE can be established up to 500 meters using two-wire cables (e.g., telephone cable, bell wire). This means that, for example, an existing two-wire analog telephone cable can be used to connect a 10/100 MB Ethernet device (for instance, PC, WLAN, IP camera, IP telephone or IP door station). The data rate is up to 40 Mbps. For 500 m of bell wire, approx. 15 Mbps data is transferred. An (identical) Mx2wire device is required at both ends of the cable, and it automatically configures itself as either the sender or the receiver.

The two Mx2wire nodes are supplied via PoE from the network cable that feeds in. The connected devices are supplied with up to 8 watts via PoE, since in addition to the network signal, also the PoE signal that is fed in is transferred. Mx2wire is supplied in the standard socket frame in different designs, however, it can also be used with the surface-mounted socket provided.

Wide Range Of Application Possibilities

Mx2wire can also connect a PC via an unused telephone cable or an antenna cable with an Internet connection. The set comprises two Mx2wire devices and costs \$548. The system was developed by MOBOTIX, manufactured in Germany and is also used in the new IP door intercoms.



Free Of Charge: Professional IP Video Management

MOBOTIX offers a professional, free-of-charge video management system that features user-defi nable camera layouts in grids or on building plans, video searches, an alarm list, automatic camera detection, automated switching between cameras or entire layouts, integration of video storage with fi le servers, camera confi guration and an update wizard for automatic confi guration/updating of numerous camera profi les.

Version 2.0 provides a completely revised user interface, a new sidebar with context-sensitive functions (layout list, playback control, PTZ control), a new layout manager that permits the creation of unlimited hierarchical layout structures and improved synchronous playback from multiple cameras.

New Features In MxCC 2.0:

- Redesigned user interface for even simpler operation
- New layout manager with sidebar functions
- Definition of layouts and hierarchical structures
- Time-synchronized playback of recordings

Absolutely Free Of Charge

The computer's CPU speed should be 1 GHz or higher. This version only runs on Windows XP or above. The software can be downloaded free of charge from www.mobotix.com.

(www.mobotix.com/other/Support/Software-Downloads/MxControlCenter/MxControlCenter-V2.0)



Intuitive Control Software For All MOBOTIX Cameras

The intuitively designed user interface of the new MOBOTIX MxEasy offers quick access to all the main camera functions. This software represents an innovative new approach to the monitoring and controlling of MOBOTIX cameras. Up to 16 cameras can be managed using the software's easy-to-understand layout and four cameras can be viewed simultaneously. All of the camera settings in MxEasy – such as image section, zoom, brightness, volume, microphone sensitivity, image storage, connections – are immediately active and instantly stored to the current camera's configuration file.




The software's calendar functions are an innovative tool for managing time-based settings, for single as well as multiple cameras. For example, it is now possible for the first time not only to control the recording time according to dates and times, but also to activate/deactivate the motion sensor, brightness or the microphone in a time-controlled way.



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/MxEasy-V1.0)

HiRes IP Cameras And Accessories

Camera Models M22

| | | | | | | |
|-----------------------------|---|---|---|--|---|---|
| Model: | M22M-IT-D22 |  | M22M-Sec |  | M22M-Sec-Night |  |
| | Indoor/Outdoor: | In/Outdoor, weatherproof IP65, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C |
| Lenses: (eq. 35mm) | Super Wide Angle (22mm, 90°, F 2.0), | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | MEGA (1280x960 pixels), B/W |
| Resolution: | VGA (640x480 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | MEGA (1280x960 pixels), B/W |
| Pan/Tilt/Zoom: | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) |
| Frame Rate (Mono): | 30 fps VGA • 30 fps CIF | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 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=1/60s) • 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) | 0,1 lux (t=1/60s) • 0,005 lux (t=1/1s) |
| Interfaces: | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps |
| Internal DVR: | ./. | ./. | ./. | ./. | ./. | ./. |
| Audio/Telephony: | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) |
| Power Sup. • In/Out: | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • 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 | 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 | 365 day schedule • Multiple events | 365 day schedule • Multiple events | 365 day schedule • Multiple events | 365 day schedule • Multiple events |
| External Storage: | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS |
| Prices: | \$798 (MX-M22M-IT-D22) | \$998 (MX-M22M-Sec) | \$998 (MX-M22M-Sec-Night) | | | |

| | | | | | |
|-----------------------------|---|--|---|---|---|
| Model: | M22M-Sec-CSVario |  | M22M-Sec-R8 |  | NEW Internal Network Recording |
| | Indoor/Outdoor: | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C | In/Outdoor, weatherproof, -30°...+60°C |
| Lenses: (eq. 35mm) | CS-Mount Vario 24-54 (24 bis 54mm) F1.6-2.3 | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm |
| Resolution: | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color | 3MEGA (2048x1536 pixels), color |
| Pan/Tilt/Zoom: | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) |
| Frame Rate (Mono): | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 fps Mega | 30 fps VGA • 30 fps CIF • 10 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=1/60s) • 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) |
| Interfaces: | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps |
| Internal DVR: | ./. | ./. | 8 GB CF-card installed | 8 GB CF-card installed | 8 GB CF-card installed |
| Audio/Telephony: | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) | Bidirectional, IP Telephony (VoIP) |
| Power Sup. • In/Out: | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • Via ExtIO | PoE or MX30V • 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 | 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 | 365 day schedule • Multiple events | 365 day schedule • Multiple events | 365 day schedule • Multiple events |
| External Storage: | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS | Up to 1 TB on PC/Server/NAS |
| Prices: | \$1398 (MX-M22M-Sec-CSVario) | \$1298 (MX-M22M-Sec-R8) | | | |

Accessories M22

| | | | | | | |
|---------------------|---|---|---|---|---|---|
| Part Name: | SecureFlex-Wall-/Ceiling Mount |  | M12/M22-Pole Mount |  | Cam-IO-PoE/AC/ACplus |  |
| Description: | <ul style="list-style-type: none"> Protected concealed cabling ± 90° right/left pivoting - 70° down tilt Covers RJ45 wall outlets Compatible with M1/M10/M12-cameras | | <ul style="list-style-type: none"> 3mm stainless steel, white Mast or pole mounting Pole circumference from 60 to 180mm 2 x metal mounting bands, fittings and grommet included | | <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 | |
| Prices: | \$68 (MX-WH-SecureFlex) | | \$128 (MX-MH-SecureFlex-ESWS) | | from \$398 (MX-CAMIO) | |

Camera Models M12

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



M12M-Web-D43
 In/Outdoor, weatherproof IP65, -30°...+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 VGA • 30 fps CIF • 10 fps Mega
 1 lux (t=1/60s) • 0,05 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps
 ./.
 ./.
 PoE or MX30V • ./.
 Logo generator, FTP, E-Mail
 7 day schedule • Reduced
 FTP, triggered by events/time schedule



M12D-IT-DNight-D43N43
 Outdoor, IP65, -30°...+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 VGA • 30 fps CIF
 0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps, RS232
 Up to 16 GB with SD card
 Bidirectional, IP Telephony (VoIP)
 PoE or MX30V • 1xIN, 1xOUT
 FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
 365 day schedule • Multiple events
 Up to 1 TB on PC/Server/NAS



M12D-Sec-D22D135
 Outdoor, IP65, -30°...+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 VGA • 30 fps CIF • 10 fps Mega
 1 lux (t=1/60s) • 0,05 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps, RS232
 Up to 16 GB with SD card
 Bidirectional, IP Telephony (VoIP)
 PoE or MX30V • 1xIN, 1xOUT
 FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
 365 day schedule • Multiple events
 Up to 1 TB on PC/Server/NAS

\$998 (MX-M12M-Web-D43)

\$1198 (MX-M12D-IT-DNight-D43N43)

\$1498 (MX-M12D-Sec-D22D135)

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



M12D-Sec-DNight-D43N43
 Outdoor, IP65, -30°...+60°C
 2 Wide Angles (43mm, F 2.0), DNight: automatic Day/Night switching
 1 x 3MEGA (2048x1536 pixels), color
 1 x MEGA (1280x960 pixels), B/W
 Continuous 8x zoom & pan/tilt (digital)
 30 fps VGA • 30 fps CIF • 10 fps Mega
 0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps, RS232
 Up to 16 GB with SD card
 Bidirectional, IP Telephony (VoIP)
 PoE or MX30V • 1xIN, 1xOUT
 FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
 365 day schedule • Multiple events
 Up to 1 TB on PC/Server/NAS



M12D-Sec-DNight-D22N22
 Outdoor, IP65, -30°...+60°C
 2 Super Wide Angles (22mm, F 2.0), DNight: automatic Day/Night switching
 1 x 3MEGA (2048x1536 pixels), color
 1 x MEGA (1280x960 pixels), B/W
 Continuous 8x zoom & pan/tilt (digital)
 30 fps VGA • 30 fps CIF • 10 fps Mega
 0,1 lux (t=1/60s) • 0,005 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps, RS232
 Up to 16 GB with SD card
 Bidirectional, IP Telephony (VoIP)
 PoE or MX30V • 1xIN, 1xOUT
 FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
 365 day schedule • Multiple events
 Up to 1 TB on PC/Server/NAS



M12D-Sec-R8
 Outdoor, IP65, -30°...+60°C
 Super Wide Angle (22mm, 90°, F 2.0), 43mm, 135mm
 1 x 3MEGA (2048x1536 pixels), color
 1 x MEGA (1280x960 pixels), B/W
 Continuous 8x zoom & pan/tilt (digital)
 30 fps VGA • 30 fps CIF • 10 fps Mega
 1 lux (t=1/60s) • 0,05 lux (t=1/1s)
 ISDN, Ethernet 10/100 Mbps, RS232
 8 GB CF-card installed
 Bidirectional, IP Telephony (VoIP)
 PoE or MX30V • 1xIN, 1xOUT
 FTP, e-mail, video alarm management, VideoMotion, Multiview, event search
 365 day schedule • Multiple events
 Up to 1 TB on PC/Server/NAS

\$1498 (MX-M12D-Sec-DNight-D43N43)

\$1598 (MX-M12D-Sec-DNight-D22N22)

from \$1848 (MX-M12D-Sec-R8)

NEW external Flash Recording

Accessories M12

Part Name:
Description:



SecureFlex-Wall-/Ceiling Mount

- Protected concealed cabling
- ± 90° right/left pivoting
- 70° down tilt
- Covers RJ45 wall outlets
- Compatible with M1/M10/M12-cameras



M12/M22-Pole Mount

- 3mm stainless steel, white
- Mast or pole mounting
- Pole circumference from 60 to 180mm
- 2 x metal mounting bands, fittings and grommet included



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




Prices: **\$68 (MX-WH-SecureFlex)**

\$128 (MX-MH-SecureFlex-ESWS)




from \$398 (MX-CAMIO)

HiRes IP Cameras And Accessories

Camera Models D22 / Q22

| |  |  |  |
|-----------------------------|---|--|---|
| Model: | D22Mi-Basic-D22 | D22M-IT-D22 | D22M-Sec |
| Indoor/Outdoor: | Indoor, IP54, -20°...+50°C | In/Outdoor, weatherproof IP65, -30°...+60°C | In/Outdoor, weatherproof IP65, -30°...+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 | 3MEGA (2048x1536 pixels), color |
| Pan/Tilt/Zoom: | ./. | Continuous 8x zoom & pan/tilt (digital) | Continuous 8x zoom & pan/tilt (digital) |
| Frame Rate (Mono): | 16 fps VGA • 16 fps CIF | 30 fps VGA • 30 fps CIF | 30 fps VGA • 30 fps CIF • 10 fps Mega |
| Sensitivity: | 1 lux (f=1/60s) • 0,05 lux (f=1/1s) | 1 lux (f=1/60s) • 0,05 lux (f=1/1s) | 1 lux (f=1/60s) • 0,05 lux (f=1/1s) |
| Interfaces: | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps, USB, ext. Audio | Ethernet 10/100 Mbps, USB, ext. Audio |
| Internal DVR: | ./. | Up to 16 GB with SD card | Up to 16 GB with SD card |
| Audio/Telephony: | ./. | Bidirectional, IP Telephony (VoIP)* | Bidirectional, IP Telephony (VoIP)* |
| Power Sup. • In/Out: | PoE or MX30V • ./. | PoE or MX30V • Via ExtIO | PoE or MX30V • 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: | \$648 (MX-D22Mi-Basic-D22) | \$748 (MX-D22M-IT-D22) | \$948 (MX-D22M-Sec) |

*Via ExtIO

| |  |  |  |
|-----------------------------|--|---|--|
| Model: | D22M-Sec-Night | Q22M-Basic | Q22M-Sec |
| Indoor/Outdoor: | In/Outdoor, weatherproof IP65, -30°...+60°C | Indoor, IP54, -30°...+60°C | In/Outdoor, weatherproof IP65, -30°...+60°C |
| Lenses: (eq. 35mm) | Super Wide Angle (22mm, 90°, F 2.0), 32mm, 43mm, 65mm, 135mm | 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) |
| Resolution: | MEGA (1280x960 pixels), B/W | VGA (640x480 pixels), color | 3MEGA (2048x1536 pixels), color |
| Pan/Tilt/Zoom: | Continuous 8x zoom & pan/tilt (digital) | Digital PTZ via MxControlCenter | Continuous 8x zoom & pan/tilt (digital) |
| Frame Rate (Mono): | 30 fps VGA • 30 fps CIF • 10 fps Mega | 16 fps VGA • 16 fps CIF | 30 fps VGA • 10 fps Mega • 4 fps 3MEGA |
| Sensitivity: | 0,1 lux (f=1/60s) • 0,005 lux (f=1/1s) | 1 lux (f=1/60s) • 0,05 lux (f=1/1s) | 1 lux (f=1/60s) • 0,05 lux (f=1/1s) |
| Interfaces: | Ethernet 10/100 Mbps, USB, ext. Audio | Ethernet 10/100 Mbps | Ethernet 10/100 Mbps, USB, ext. Audio |
| Internal DVR: | Up to 16 GB with SD card | ./. | Up to 16 GB with SD card |
| Audio/Telephony: | Bidirectional, IP Telephony (VoIP)* | ./. | Bidirectional, IP Telephony (VoIP) |
| Power Sup. • In/Out: | PoE or MX30V • Via ExtIO | PoE or MX30V | PoE or MX30V • Via ExtIO |
| Software Features: | FTP, e-mail, video alarm management, VideoMotion, Multiview, event search | distortion correction in MxCC, FTP, E-mail, video alarm manag., multiview | distortion correction in the camera, FTP, E-mail, video alarm manag. |
| 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: | \$948 (MX-D22M-Sec-Night) | \$698 (MX-Q22Mi-Basic-D11) | \$998 (MX-Q22M-Sec-D11) |

Accessories D22 / Q22

| | | | |
|---------------------|---|---|--|
| Part Name: |  D22 Vandalism Set Matt |  D22/Q22 On-Wall Set IP65 |  D22/Q22 10° On-Wall Set IP65 |
| Description: | <ul style="list-style-type: none"> Reinforced dome (3mm Polyc.) Stainless steel vandalism ring (mat, polished or white, silver, black powder-coated) | <ul style="list-style-type: none"> On-wall mount incl. mounting parts Concealed cabling Ø 165x37mm/6.5x1.5in Excluding camera | <ul style="list-style-type: none"> Includes on-wall mount and assembly parts for installing a camera at a 10° tilt angle (also for Q22) Excluding camera |
| Prices: | \$148 (MX-D22M-Vandal-Kit-ESMA) | \$148 (MX-D22M-OPT-AP) | \$148 (MX-OPT-AP-10DEG) |
| Part Name: |  D22/Q22 In-Ceiling Set |  D22/Q22 Wall Mount |  D22/Q22 Pole Mount |
| Description: | <ul style="list-style-type: none"> In-ceiling set incl. mounting parts Easy mounting from front Ø 150mm/5.9in diameter Excluding camera | <ul style="list-style-type: none"> Weather protection (IP65) for D22 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: | \$148 (MX-D22M-OPT-IC) | \$148 (MX-D22M-OPT-WH) | \$148 (MX-D22M-OPT-MH) |

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



Camera Models D12

Model:

Indoor/Outdoor:

Lenses: (eq. 35mm)

Resolution:

Pan/Tilt/Zoom:

Frame Rate (Mono):

Sensitivity:

Interfaces:

Internal DVR:

Audio/Telephony:

Power Sup. • In/Out:

Software Features:

Arming • Triggering:

External Storage:

Prices:

D12Di-IT

Indoor, IP54, -30°...+60°C

2 Super Wide Angles (22mm, 90°, F 2.0)

2 x VGA (je 640x480), color & B/W

Continuous 8x zoom & pan/tilt (digital)

30 fps VGA • 30 fps CIF

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100 Mbps, RS232

Up to 16 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 1xIN, 1xOUT

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

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

\$1198 (MX-D12Di-IT)



D12Di-Sec

Indoor, IP54, -30°...+60°C

2 Super Wide Angles (22mm, 90°, F 2.0)

1 x 3MEGA (2048x1536 pixels), color

Continuous 8x zoom & pan/tilt (digital)

30 fps VGA • 30 fps CIF • 10 fps Mega

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100 Mbps, RS232

Up to 16 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 1xIN, 1xOUT

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

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

\$1448 (MX-D12Di-Sec)



D12Di-Sec-180°

Indoor, IP54, -30°...+60°C

2 Super Wide Angles (22mm, 90°, F 2.0)

1 x 3MEGA (2048x1536 pixels), color

Continuous 8x zoom & pan/tilt (digital)

30 fps VGA • 30 fps CIF • 10 fps Mega

1 lux (t=1/60s) • 0,05 lux (t=1/1s)

ISDN, Ethernet 10/100 Mbps, RS232

Up to 16 GB with SD card

Bidirectional, IP Telephony (VoIP)

PoE or MX30V • 1xIN, 1xOUT

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

365 day schedule • Multiple events

Up to 1 TB on PC/Server/NAS

\$1448 (MX-D12Di-Sec-180°)



Accessories D12

Part Name:

Description:



D12 Vandalism Set

- Reinforced dome (3mm Polyc.)
- Stainless steel vandalism ring (matt, polished or white, silver, black powder-coated)

Prices:

\$248 (MX-D12-Vandal)

D12 Wall Mount

- Weatherproof (IP65) for D12D-Dome
- Robust and UV resistant PBT-30GF
- Concealed cabling
- Covers RJ45 wall outlets
- Possible to fit WLAN or GSM/GPRS equipment inside housing

\$148 (MX-WH-Dome)



D12 Pole Mount

- 3mm stainless steel, powder-coated
- Pole diam.: 60 to 180mm
- Incl. mounting supplies

\$148 (MX-MH-Dome-ESWS)

Special Models

Part Name:

Description:



M12-DevKit

- M12 main board incl. sound module for connecting up to 2 cameras
- Without housing for concealed installation
- Housing available separately

Prices:

from \$1376 (MX-M12-DevKit-Board)

MxLink

- TX-Module, RX-Module
- 1m cable (MiniUSB to MiniUSB)
- For one DevKit sensor

\$150 (MX-Link-1)

Accessories



Mx2Wire Pure White

- Ethernet and PoE using two-wire cable
- Up to 500 meters/15 Mbps
- 15 to 40 Mbps
- 8 watts via PoE

Set price (2 units) \$548 (MX-2Wire-Set-PW)

Available in 2009

Accessories All Cams

Part Name:

Description:



Network Power Adapter Set

- Power supply via network cabling
- All camera models (MX30V)

Prices:

\$98 (MX-NPA-Set-US)



Network Power Box for 4 cameras

- Power supply for DIN rails
- All camera models (MX30V)

\$398 (MX-NPR-4)



Network Power Rack (8/20 cameras)

- Power supply via network cabling
- All camera models (MX30V)

from \$998 (MX-NPR-8 / MX-NPR-20)

Part Name:

Description:



ExtIO

- Each with 2 In- and Output contacts 8-24V
- Microphone with adjustable volume control, speaker, status LEDs
- USB interface
- Temperature sensor, 2 buttons

Prices:

\$298 (MX-ExtIO)

Mounted to corner



Mounted to pole

Mounted to pole



Mounted to wall and ceiling

Lens Details

Lens Table

| Article Number | L11 | L22 | L32 | L43 | L65 | L135 |
|-----------------------------|-------|------------|------------|------------|------------|------------|
| Original image | | | | | | |
| 35mm equivalent | 11 mm | 22 mm | 32 mm | 43 mm | 65 mm | 135 mm |
| Focal length | 2 mm | 4 mm | 6 mm | 8 mm | 12 mm | 25 mm |
| Aperture (F) | 2,0 | 2,0 | 2,0 | 2,0 | 2,0 | 2,5 |
| Image angle horizontally | 185° | 90° | 60° | 45° | 31° | 15° |
| Image angle vertically | 185° | 67° | 45° | 34° | 23° | 11° |
| Distance 1 m (3') | | m | m | m | m | m |
| • Image width | - | 2,0 | 11 | 0,8 | 0,5 | 0,3 |
| • Image height | - | 1,3 | 0,8 | 0,6 | 0,4 | 0,2 |
| Distance 5 m (15') | | m | m | m | m | m |
| • Image width | - | 10,0 | 5,7 | 4,1 | 2,7 | 1,3 |
| • Image height | - | 6,6 | 4,1 | 3,0 | 2,0 | 1,0 |
| Distance 10 m (30') | | m | m | m | m | m |
| • Image width | - | 20,0 | 11,5 | 8,2 | 5,5 | 2,6 |
| • Image height | - | 13,3 | 8,2 | 6,1 | 4,0 | 1,9 |
| Distance 20 m (60') | | m | m | m | m | m |
| • Image width | - | 40,0 | 23,0 | 16,4 | 11,0 | 5,2 |
| • Image height | - | 26,6 | 16,4 | 12,2 | 8,0 | 3,8 |
| Distance 50 m (150') | | m | m | m | m | m |
| • Image width | - | 100,0 | 57,5 | 41,0 | 27,5 | 13,0 |
| • Image height | - | 66,0 | 41,0 | 30,5 | 20,0 | 9,5 |

| 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 |
|---|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|----------|------------|
| • Standard delivery, • Optional, D (Day), N (Night) | | | | | | | | | | | | |
| D22Mi-Basic | | | • | | • | | • | | • | | • | |
| D22M-IT | | | • | | • | | • | | • | | • | |
| D22M-IT-Night | | | | • | | • | | • | | • | | • |
| D22M-Sec | | | • | | • | | • | | • | | • | |
| D22M-Sec-Night | | | | • | | • | | • | | • | | • |
| M22M-IT | | | • | | • | | • | | • | | • | |
| M22M-IT-Night | | | | • | | • | | • | | • | | • |
| M22M-Sec | | | • | | • | | • | | • | | • | |
| M22M-Sec-Night | | | | • | | • | | • | | • | | • |
| M12M-Web | | | | | | | • | | | | | |
| M12D-IT-DNight | | | | | | | • | • | | | • | • |
| M12D-Sec | | | • | | | | • | | | | • | |
| M12D-Sec-DNight | | | • | • | | | • | • | | | • | • |
| D12Di-IT/D12Di-Sec | | | • | • | • | • | • | • | • | • | • | • |
| Q22M-Basic | • | | • | | | | | | | | | |
| Q22M-Sec | • | | • | | | | | | | | | |



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A Strong Partner ...

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



HiRes Video Innovations

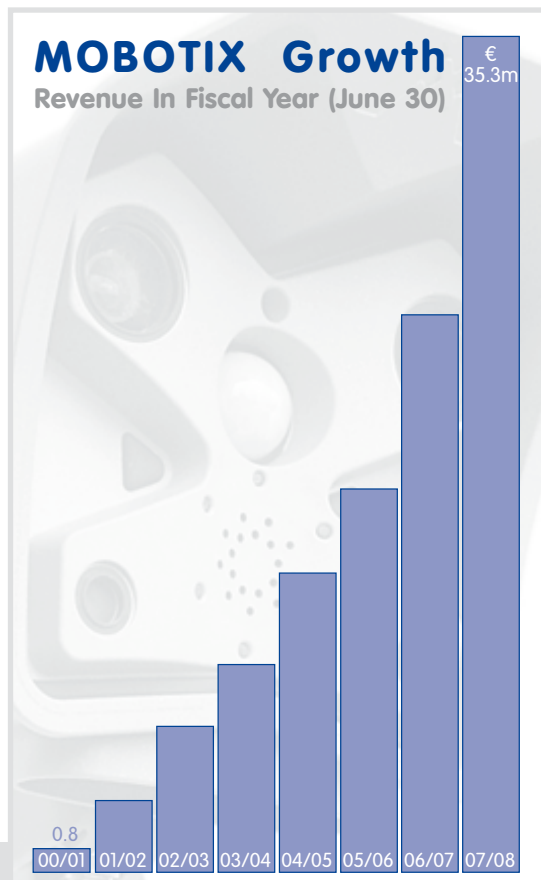
The German company MOBOTIX AG is known as the leading pioneer in network camera technology since its founding in 1999, and its decentralized concept has made high resolution video systems cost efficient. Whether in embassies, airports, train stations, ports, gas stations, hotels or on highways – over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



2007/2008 Sales
35.3 Million Euro

Sales Growth
+ 50 %

... 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 |
|--|-------------------------------------|--------------------------|
| <p>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.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Great detail? License plates can be clearly identified with up to 8x digital zoom and actions can be completely documented.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>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.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Perfect overview? With a special lens and image post-processing method, one single MOBOTIX 360° camera (Q22M) can record an entire room (such as a store) without any blind spots.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Weatherproof housing included? MOBOTIX security cameras feature IP65 weatherproofing and do not require a heater or a fan. They can be used in temperatures ranging from -30° to +60° Celsius.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>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.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Free software updates? Whenever the software is updated, MOBOTIX makes it available free of charge. This keeps older systems up to date.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>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.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Free support included? The MOBOTIX support hotline will always help you with technical experts at normal landline phone rates.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p>Direct storage in the camera? Smart image processing and storage management in the camera save on system resources and ensure easy scalability.</p> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Annual Net Income
4.9 Million Euro

EBIT Margin
19 %

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.

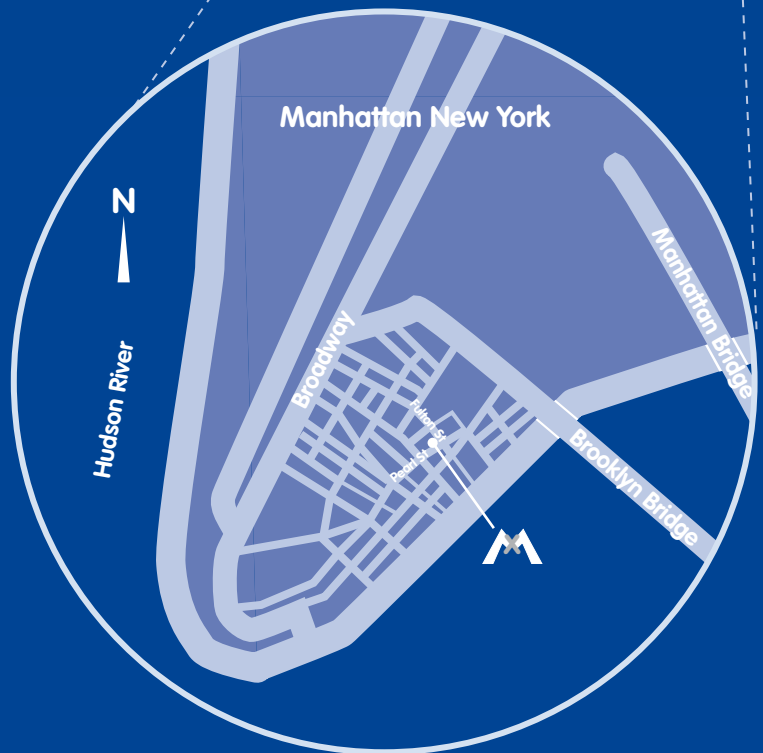
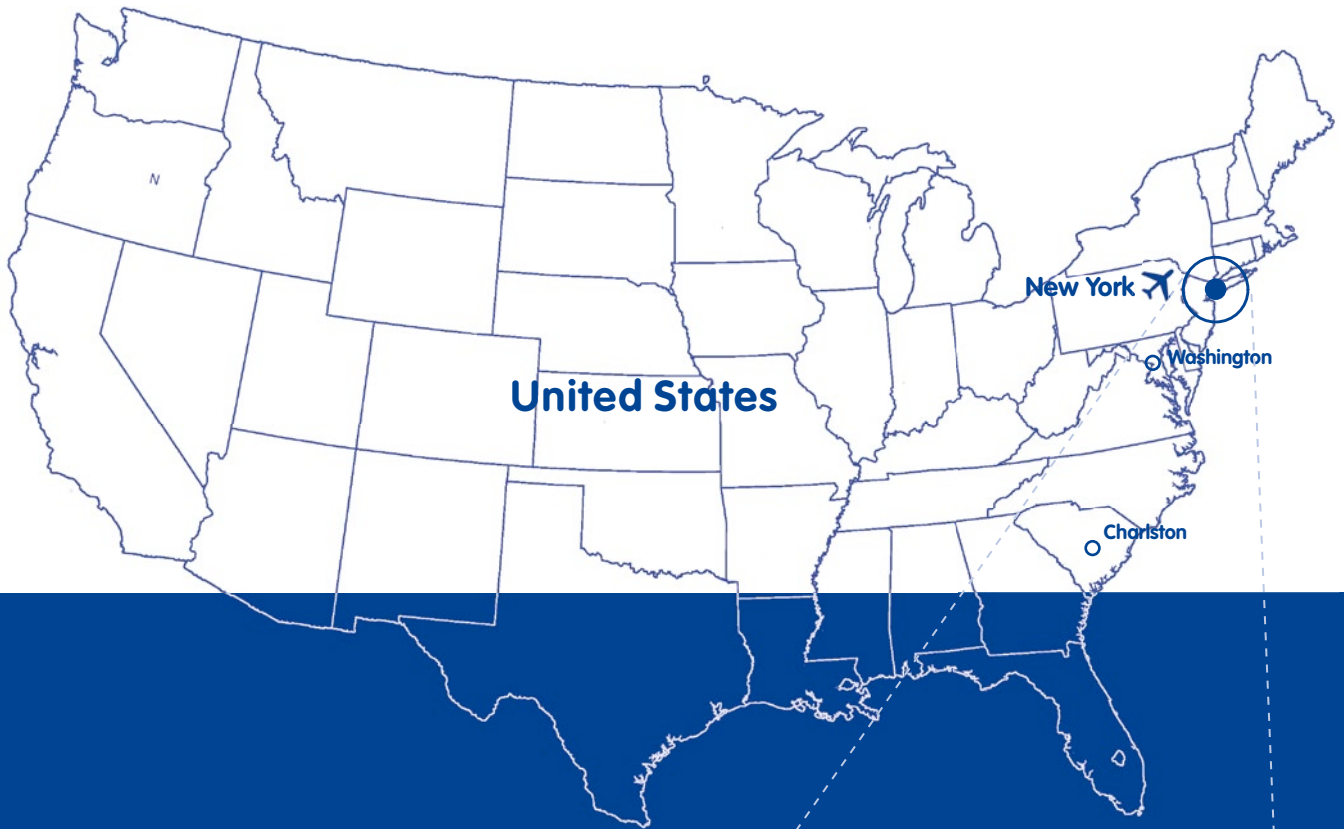
The **Advanced Seminar** builds on the contents of the Basic Seminar. Additionally, the Advanced Seminar provides a practical introduction to the MOBOTIX MxControlCenter video management software.

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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Complete HiRes Video Solutions

high-resolution, digital & cost-effective recording



HiRes

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Software zoom

Skyline

Format freeEach image format
freely definable**30 Frames/s**VGA (640 x 480)
12 F/s Mega**Virtual PTZ**Digital pan, tilt,
zoom**Backlight**Safe using CMOS
without mechanical iris**Internal DVR**Internal via SD card,
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°F ... +140°F

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

IEEE 802.3af

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

MxCC

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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