

MOBOTIX^{.com}

Why we are no. 1 in high-resolution IP video



Not just a camera. It's a complete, all-in-one solution.



A complete HiRes video system for under €1,000

MOBOTIX System Decentralized



Standard System Storage bottleneck is pre-programmed



Combining high-resolution video with in-camera-recording means fewer cameras are needed and direct recording to any type of storage device such as, in-camera SD card, Hard Disk or NAS is possible.

All-in-one. Decentralized.

The first MOBOTIX product, released in 1999, was an IP camera with recording (DVR) technology built in – it was a world first. This decentralized approach was so revolutionary it changed the video surveillance industry forever. Because the camera was completely self-managing, expensive central recording systems were, for the first time ever, no longer required. The MOBOTIX decentralized system platform uses comparatively little computing power, even in megapixel, so it is far more cost effective and easier to scale in size than traditional centralized systems.

The HiRes Video Company



3 cost advantages to MOBOTIX decentralized cameras:



NOT required: Recording Computer

The MOBOTIX camera itself handles all the PC functions and data processing.



NOT required: Management Software

Powerful video management software is already installed inside the MOBOTIX camera.



NOT required: Outdoor Enclosures

MOBOTIX cameras are robust and weatherproof. IP65 rated from -30 to +60 °C.

Secure recording. Unlimited storage options.

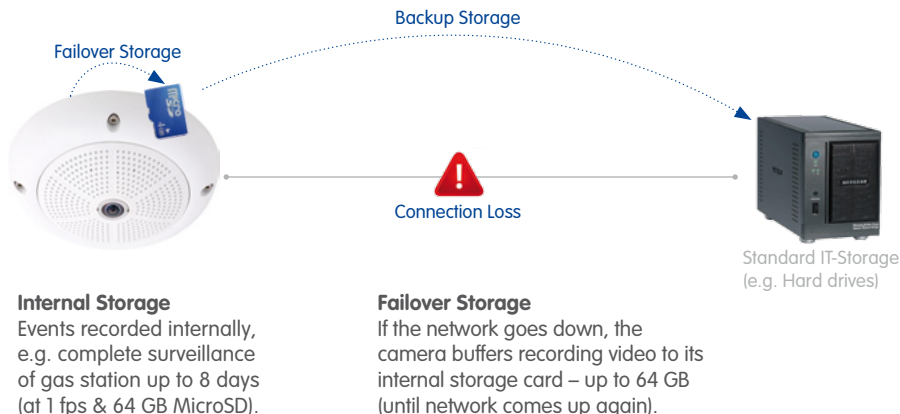


Event Trigger

Intelligent recording occurs only when necessary

- Movement
- Door opening
- Alarm triggering
- Noise
- etc.

Therefore storage requirements are reduced dramatically.



Internal Storage

Events recorded internally, e.g. complete surveillance of gas station up to 8 days (at 1 fps & 64 GB MicroSD).

Failover Storage

If the network goes down, the camera buffers recording video to its internal storage card – up to 64 GB (until network comes up again).

Standard IT-Storage
(e.g. Hard drives)

No Storage Limits

Simply add standard network storage as needed. Unlimited storage at very low cost.

Backup Storage

The MOBOTIX camera will copy the stored video to any standard storage device (e.g. NAS) should the camera be stolen or destroyed.

Low Cost. Low Maintenance.

Unlike traditional video surveillance recording, the MOBOTIX recording system is very inexpensive. A standard, readily available storage device is the only requirement:

- Flash Memory (MicroSD, USB-Stick)
- Standard Network IT-Storage (e.g. USB/Hard Disk, NAS)
- Windows, Linux, Mac OS X compatible

Even if more cameras are added to the system, just add more storage, nothing else – no dedicated servers or recording software licenses needed. This low cost, low maintenance solution saves customers both upfront and over the life of the system.

The HiRes Video Company



- No server (DVR/NVR) maintenance.
- No proprietary hardware/software
- No storage or scaling limitations

Instant access and control, wherever you are in the world!



MOBOTIX turns any smartphone into a mobile control room with instant event notifications, on-demand visual verification and 2-way interactive audio and video communication.

No Boundaries. No Limits.

The combined functionality within the MOBOTIX camera exceeds the intelligence found in any other camera on the market. The application potential is limited only by the imagination. For example, the all-in-one camera platform turns a standard smartphone into an interactive mobile "control-room", providing instant video playback, with on-demand 2-way audio and video communication with the camera's surrounding environment – from anywhere in the world. All for under €1,000.

"A camera from Mobotix contains a total video surveillance system within itself, including built-in DVR software, microphone, speaker, motion detection sensor, temperature sensor. Such product innovations have provided Mobotix with a significant competitive advantage, positioning it to grow strongly in the future."

Frost & Sullivan, Research Analyst, Archana Rao

www.frost.com



D24 MonoDome

In-camera DVR (up to 64 GB)

1 camera monitors 4 gas station lanes

Replacing 4 standard cameras thanks to the HiRes video



Q24 Hemispheric

In-camera DVR (up to 64 GB)

1 camera monitors an entire shop

Panoramic overview, simultaneous viewing and zoom



Standard PoE-Switch

Connection and power



Standard PC & MxEasy

PC for search only, software free of charge



Actual image



Actual Q24 image – panorama focus in gas station



1 Hemispheric camera provides 180° overview and two close up views

Cost Advantages

The MOBOTIX system has saved customers all over the world, thousands, even tens of thousands of euros in a single installation. For example, in this gas station (above), two high-resolution MOBOTIX cameras were installed, providing the same area coverage as a conventional system with eight cameras. The combination of super-wide area coverage with high-resolution video saved the customer enormously in power and data cabling, recording hardware and software – and money!

Further cost advantages of the MOBOTIX system:



NOT required: 8-camera system

Just two MOBOTIX cameras can provide the same area coverage as a standard system with eight cameras.



NOT required: Multiple Data Cables

Four coax cables can be replaced with a single Ethernet cable using the Hemispheric camera.



NOT required: Additional power cabling

MOBOTIX cameras are PoE enabled, so they can be powered by a single PoE network switch.

The HiRes Video Company





High-resolution – 30 times the resolution of a CCTV camera
MOBOTIX HiRes Video enables positive identification of people and objects up to 100m away



High Detail – 3 megapixel resolution allows powerful digital zoom
MOBOTIX HiRes Video can even capture the serial number of a bill from a distance of two meters

No. 1 for High-resolution

MOBOTIX cameras are world-renowned for delivering superior image quality and are number 1 in global ranking in the megapixel IP camera market. The combination of unprecedented backlight compensation and exposure control along with MxPEG – a breakthrough video delivery technology – guarantees the highest image quality possible in almost all conditions, such as, extremes in weather and variances in lighting. Additionally, MxPEG is the only codec in the world that is designed specifically for video surveillance applications.

The HiRes Video Company



MOBOTIX 2048 x 1536 MxPEG

HDTV 1920 x 1080 H.264

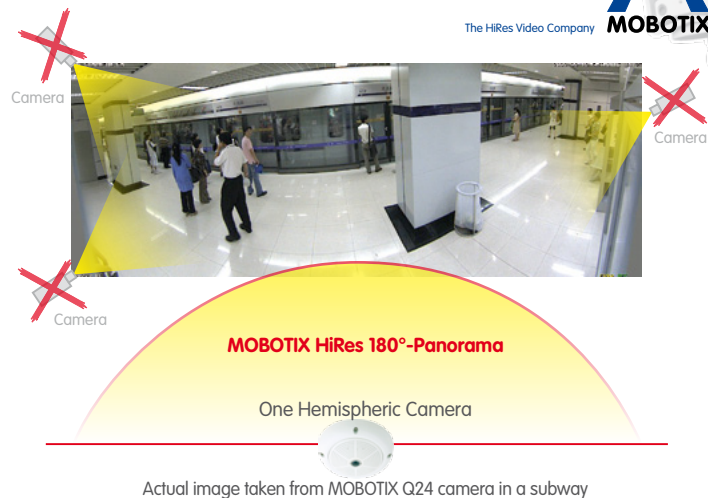
HDTV 1080 lines
MxPEG 1536 lines

MOBOTIX cameras deliver 51% higher resolution than HDTV,
capturing a much larger area so fewer cameras are needed
– saving you more money!



One camera – no place to hide!

Monitoring video from multiple cameras is difficult to track. There is often overlapping, with the same objects and people appearing on 2 or more monitors at the same time, and moving objects appearing and disappearing from view where there are gaps between the camera's field of view – this becomes a logistical nightmare when it comes to busy, crowded scenes. The MOBOTIX Hemispheric technology completely resolves this problem. Just one Hemispheric camera can capture and deliver a single 180° panoramic view with no overlapping, or “disappearance” gaps on the viewing monitors – and nowhere to hide!



Actual image taken from MOBOTIX Q24 camera in a subway

Dual Lens Cameras

M12

Robust for extreme conditions



Ceiling



Wall

D14

Dome with adjustable lenses



Ceiling



Wall

V12

Firearm resistant



Corner

Development Kit

Discreet board with cabled lens



Install anywhere!

More information: www.mobotix.com

Why Dual Lens?

Benefit 1: No Moving Parts – Longer Life

MOBOTIX has developed the only day/night cameras in the world that have no moving parts. Every other day/night camera on the market requires a moving IR cut filter to achieve day and night operation – but the moving IR filter eventually wears out. With no moving parts, the dual lens cameras from MOBOTIX last many more years in the field, maintaining image quality and integrity.

Benefit 2: Dual Views With Only One Camera Simultaneously – More Cost-Effective

“Dual lens” means two cameras-in-one. By choosing your preferred combination of lenses you can also create two individual viewing angles from a single camera – lowering both installation time and cost.



M12 Day/Night



The HiRes Video Company

MOBOTIX



D14 DualDome

1 camera, 2 simultaneous views



Single Lens Cameras

D24

Classic Dome



In-surface



On surface

M24

Robust for extreme conditions



Ceiling



Wall

Q24

Discreet, Hemispheric



Ceiling



Wall

Mounting

All applications



Q24 Wall



D24 Wall

Vandalism

Super-tough



Q24



D24

More information: www.mobotix.com

Choice. Flexibility.

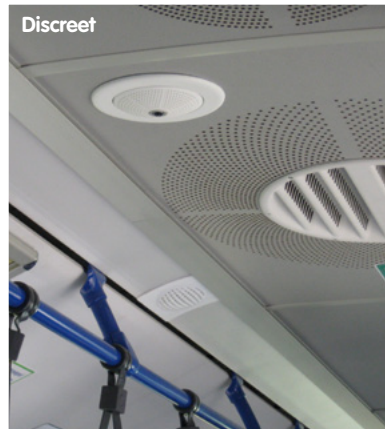
Lenses

MOBOTIX provides a choice of 6 lens options to get the right viewing angle for the application. From super-wide 180° Hemispheric wall-to-wall capture to close up telephoto viewing enabling identification of objects up to 100 m away.

Mounting Options

MOBOTIX provides dozens of different types of mounting options to ensure the camera blends into its environment. Full cable management is provided with every mounting accessory. Whether you need the camera to be discreet, elegant or robust, MOBOTIX has the right solution to meet the demands of the installation.

Discreet



Robust



The HiRes Video Company

Home Automation

T24 Hemispheric IP Video Door Station

The MOBOTIX T24 captures a superwide 180° panorama view. 2-way audio/video communication and access control is possible from anywhere in the world! The T24 is based on the international video telephony standards VoIP/SIP and H.264 – the latest telephony standard after ISDN and analog.

Integrated VoIP



Complete Panorama view from wall to wall and floor to ceiling

Mx2wire+

Converts standard 2-wire into a 10/100 PoE Network

Mx2wire+



Two-wire cable

45 Mbps @ 500 m • PoE out: max. 13 watts



Data & Power



Bell Wire



Electrical



Coax

Mx2wire+



Data & Power

CamIO

I/O IP Module
Integrated Alarm Device



Fits to all MOBOTIX cameras

T24

The HiRes Video Company

MOBOTIX

IP Door Station
Access Control, Video Intercom



Hemispheric Camera
Loudspeaker & microphone

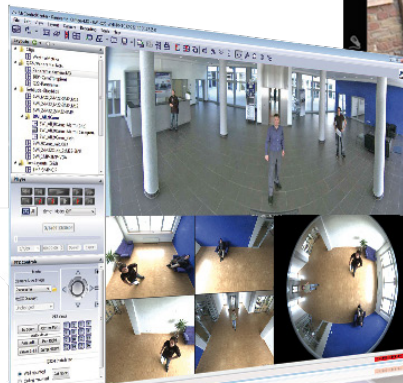
Keypad
Keyless entry

Infomodule & Mx2wire+
2-wire cable

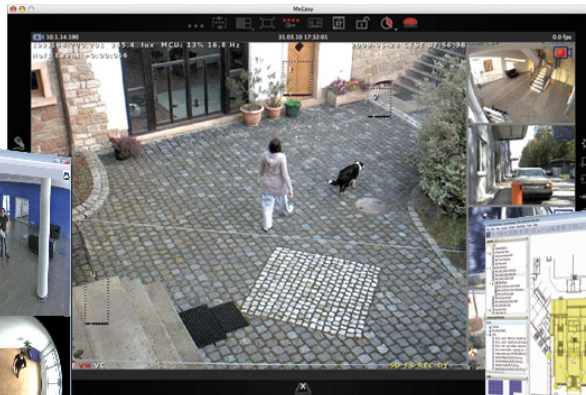
The Mx2wire+ system from MOBOTIX turns an existing two-wire cable into a powered network (PoE Ethernet) cable – simply, quickly and cost-effectively.

The CamIO connects and powers up to 3 cameras with its internal 3-port PoE switch even on a 12V source. With a 3G stick and its in-/outputs it forms a complete mobile alarm system.

Client Software



MxControlCenter
High End for Large Sites



MxEasy
The Essentials for Small Sites



MxControlCenter
Powerful Layout Manager

Free Of Charge

MOBOTIX provides an intuitive, high-performance client software for easy access and management of an unlimited numbers of cameras and storage devices – via either a local network or Internet. Apart from having countless features and being easy to use, one of the best things about MOBOTIX software is that it's available **free of charge** – no licensing fees or upgrade costs.

From 1 camera to over 500* cameras, the MOBOTIX software is suitable for installations of any size!

*Nearly 1,000 cameras are fully managed using MxControlCenter at Polytechnic in Singapore

MxEasy

Provides the essentials required for small sized installations:

- Small sites, up to 16 cameras
- Step-by-step install wizard
- Quick and easy self installation
- Windows, Mac, Linux compatible



MxControlCenter

Advanced features for medium to large installations:

- Unlimited cameras
- Multiple site management
- Customizable layout views
- Windows, Linux compatible



The HiRes Video Company





The MOBOTIX Software Engineering Team

Made in Germany

All MOBOTIX devices are designed and manufactured in Germany. "Made in Germany" is a universal seal representing world-class design and outstanding product quality. MOBOTIX sees itself as a software company that manufactures hardware while focusing on the overall system design. Our devices are complete solutions and easy to use.

The innovative camera design also features a weatherproof form factor, no moving parts and unrivalled robustness ensuring a longer product lifecycle – resulting in a lower total cost of ownership over the life of the product.



Dr. Ralf Hinkel, CEO and founder



MOBOTIX is ranked as no.1 megapixel security camera manufacturer.

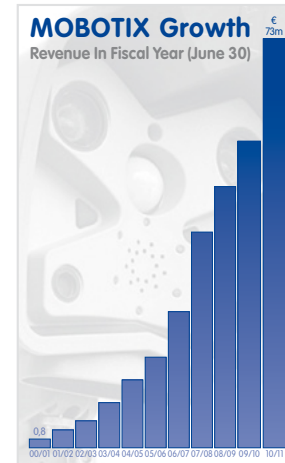


MOBOTIX Headquarters • Langmeil • Germany



Strong Earnings. High Growth.

MOBOTIX has a proven track record of high sustainable growth at high profitability, shipping more than 10,000 cameras a month, with 76.5% of the total being foreign export. Even after MOBOTIX AG's IPO in 2007, the MOBOTIX balance sheet remains solid with a 61% equity ratio. With a strong operating cash flow, MOBOTIX continues to invest in R&D to ensure its ongoing success. Individual investors can purchase MOBOTIX shares through the Frankfurt Stock Exchange*. [For more information – investors@mobotix.com](mailto:investors@mobotix.com)



*Share symbol **MBQ**. MOBOTIX ISIN (International Securities Identifying Number) **DE0005218309**

Recognized by Industry Experts



reddot design award
honourable mention 2009

Cost Saving System for all Applications

The HiRes Video Company



MOBOTIX has been chosen as the preferred solution by thousands of customers around the world. Below are some actual case examples where the customer has saved thousands of euro by using the MOBOTIX cost-saving system.

Arriva, Netherlands (210 cameras)

Commerzbank, Germany

Stadion Parc des Princes, France

Republic Polytechnic, Singapore (1,000 cameras)

Ritz Carlton Hotel, Bahrain (130 cameras)

Deutsche Bahn, Germany

Vatican Apostolic Library, Vatican

Italian Financial Services Authority, Italy

EON, Germany

Airbus S.A.S., Germany

Bergen County Prison, USA (350 cameras)

Telecom Italia, Italy (500 cameras)

Manly Beach, Australia

Coventry Airport, UK

Max-Planck-Institute, Germany

City of Dillingham, Alaska

Panama Ports, Panama

Daimler AG, Germany

Bezeq Telecom, Israel (800 cameras)

Credit du Maroc Bank, Morocco (270 cameras)

Wahat al Khartoum Shopping Mall, Sudan (300 cameras)

EURO 2012 Stadium, Donbass Arena, Ukraine (500 cameras)

American School Dubai, United Arab Emirates (200 cameras)

Bus stations, Guatemala (250 cameras)

MAN Logistics, Germany

Fraport AG, Germany

... thousands more customers around the world are also
benefitting from investing in a MOBOTIX system.

Contact

MOBOTIX AG

Kaiserstrasse • D-67722 Langmeil

Tel.: +49 6302 9816-103 • Fax: +49 6302 9816-190

sales@mobotix.com • www.mobotix.com

Democlips: www.mobotix.com



Innovation. That's what we stand for. **MOBOTIX.**