

# MOBOTIX<sup>.com</sup>

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.

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### 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 -20 to +140 °F.

# Secure recording. Unlimited storage options.

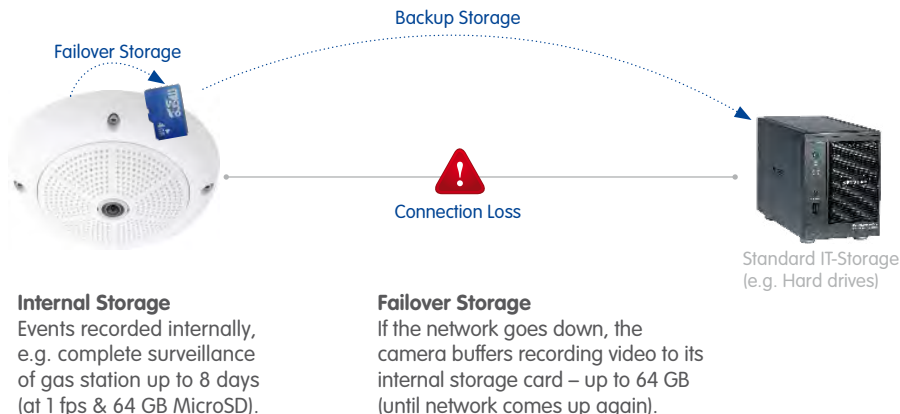


## Event Trigger

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).

## 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.

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- 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](http://www.frost.com)**



### MonoDome Camera

In-camera DVR (up to 64 GB)



### Hemispheric Camera

In-camera DVR (up to 64 GB)



### Standard PoE-Switch

Connection and power



### Standard PC & MxEasy

PC for search only, software free of charge

### 1 camera monitors 4 gas station lanes

Replacing 4 standard cameras thanks to the HiRes video



Original images

### 1 camera monitors an entire shop

Panoramic overview, simultaneous viewing and zoom



MOBOTIX images – panorama focus in gas station



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

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## Cost Advantages

The MOBOTIX system has saved customers all over the world, thousands, even tens of thousands of dollars 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.



**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 – QXGA 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.

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MOBOTIX 2048 x 1536 MxPEG

HDTV 1920 x 1080 H.264

HDTV 1080 lines  
MxPEG 1536 lines

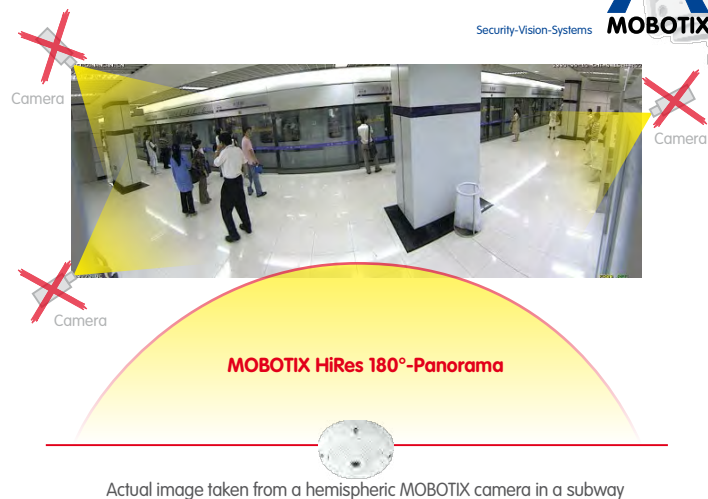
MOBOTIX cameras deliver 51% higher resolution than HDTV,  
capturing a much larger area so fewer cameras are needed  
– saving you more money!





## 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 a hemispheric MOBOTIX camera in a subway

# Dual Lens Cameras

## M15

Modular dual lens camera platform



Ceiling mounting



Wall mounting

## D15

Dome with adjustable lenses



Ceiling mounting



Wall mounting

## S15D

Flexible double Hemispheric



Wall-/Ceiling mounting

## V15

Firearm resistant



Corner

### MxActivitySensor – innovative video motion analysis

The free-of-charge software tool registers traveling movement of people and objects, while dismissing redundant changes and movement in the scene. This drastically reduces the number of false alarms. The MxActivitySensor is a standard feature of the camera software version 4.1.6.27.



More information: [www.mobotix.com](http://www.mobotix.com)

## Why Dual Lens?

### Benefit 1: No Moving Parts – Longer Life

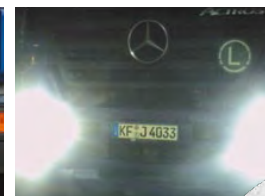
MOBOTIX has developed the only day/night cameras in the world that have no moving parts. Every other day/night camera on the market requires a moving IR cut filter to achieve day and night operation – but the moving IR filter eventually wears out. With no moving parts, the dual lens cameras from MOBOTIX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



M15 AllroundDual



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D15 DualDome

Camera, 2 simultaneous views





# Single Lens Cameras

## D25

Classic Dome



In-surface



On surface

## M25

Robust for extreme conditions



Ceiling mounting



Wall mounting

## Q25

Discreet, Hemispheric



Ceiling mounting



Wall mounting

## S15M

Hidden Housing



Wall-/Ceiling mounting

## Vandalism

Super-tough



Q25



D25

More information: [www.mobotix.com](http://www.mobotix.com)

## Choice. Flexibility.

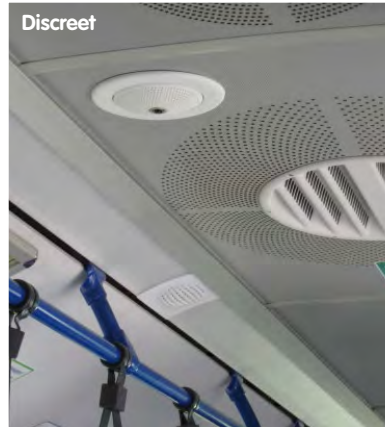
### Lenses

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



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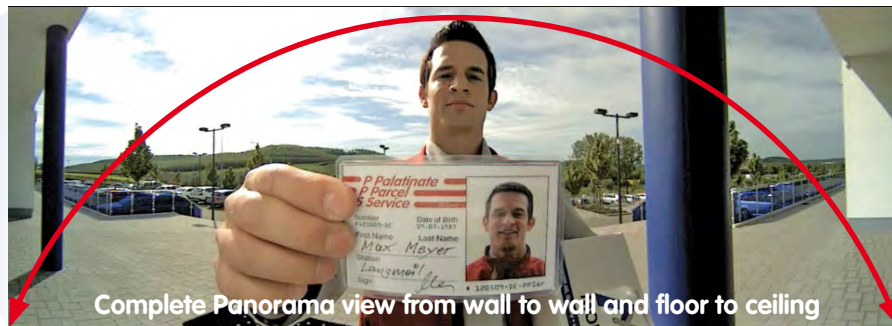


## T25 Hemispheric IP Video Door Station

**T25-CamCore**  
Hemispheric camera,  
speaker & microphone

**BellRFID**  
1 to 5 bell buttons,  
keyless entry

**Info/Info2wire+**  
Connection via cat or  
two-wire cable



**Complete Panorama view from wall to wall and floor to ceiling**

The MOBOTIX T25 captures a superwide 180° panorama view. 2-way audio/video communication and access control is possible from anywhere in the world! The T25 is based on the international video telephony standards VoIP/SIP and H.264 – the latest telephony standard after ISDN and analog.

## MOBOTIX Premium App – The Mobile Remote Station For Your MOBOTIX HiRes Video System

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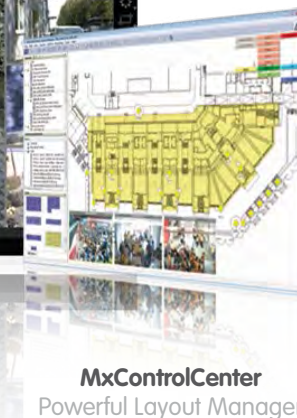


The new, multi-functional App allows you to stay in contact with your MOBOTIX cameras from anywhere in the world. The App is available free of charge on the App Store for the iPad, iPhone and iPod touch.

- Mobile remote station for MOBOTIX cameras and door stations
- Bandwidth-optimized remote access – live and in recordings
- Highly detailed image in MOBOTIX HiRes quality
- Two-way communication intercom, door opening and video mailbox playback and configuring
- Direct playback of camera recordings without buffering
- Doorbell and alarm notifications, protection of privacy
- Convenient search functions, playback of external MxPEG videos
- Grouping of cameras and filtering of events



# Client Software



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## 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 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, Founder



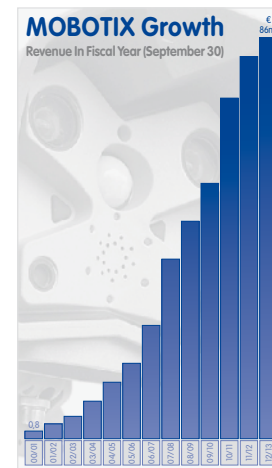
MOBOTIX is ranked as no.1 megapixel security camera manufacturer.



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 75% of the total being foreign export. Even after MOBOTIX AG's IPO in 2007, the MOBOTIX balance sheet remains solid with a 66% 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)



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**MOBOTIX**

\*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

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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

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