



The HiRes Video Company



# Hemispheric Camera

The Discreet Revolution In Video Technology

# MOBOTIX Hemispheric Technology

One room. One camera. One image. 180° Panorama. Complete Overview.  
High resolution. All details. Event driven. Integrated. Recording. Under 1,000 Euro. System cost. No software necessary. No licensing. No DVR. No network load. Decentralized architecture. Discreet video technology innovation. Award winning. Made in Germany. MOBOTIX of course.



High-Resolution 180°-Panorama

## Hemispheric Optics. The Overview.

The lens? Tested. In nature. Over millions of years. The Fisheye. Specifically? Complete overview. Over 180°. No dead spots. Floor to ceiling. Wall as well. In high resolution. Megapixel. Our task? Correct the image for the viewer. To a Panoramic overview. Virtual PTZ for all details. Efficient. MOBOTIX of course.



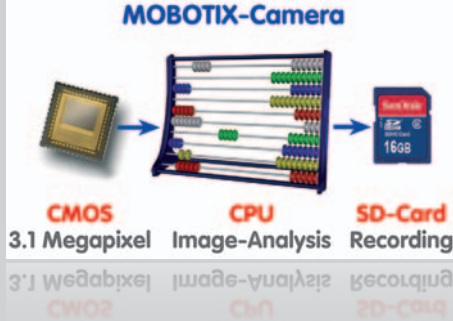
## A Fisheye Alone Is Not Enough.

The distorted image needs to be converted. On the PC. Software. The classic solution. High processing requirement allows only a few cameras. Additionally. Transporting high resolution raw images. Loads of data that overload the network. Unreliable. Video compression before the conversion degrades the image quality immensely. Not by MOBOTIX.



# The MOBOTIX Solution. Efficient.

Everything takes place in the camera. Decentralized. Not on the PC. MOBOTIX of course. Creating a panorama? Uncompressed raw image. Rich in detail. Only the required image data leaves the camera. Geometric data compression of around 10:1 in camera. MxPEG video compression in camera improves system performance. Additionally dozens of cameras. Fluent streaming. Image is corrected without PC. Efficient of course.



## Recording. Stand-Alone.

Integrated. In every camera. Gigabytes in ring buffer. Without help of PC. Without software. Without network load. No moving parts. Pure digital in SD or USB flash. Stand alone. Or via NAS network storage. Up to terabyte. Image analysis controls frame rate. Starts and stops the recording. Records only the necessary information. Storage requirement minimal.



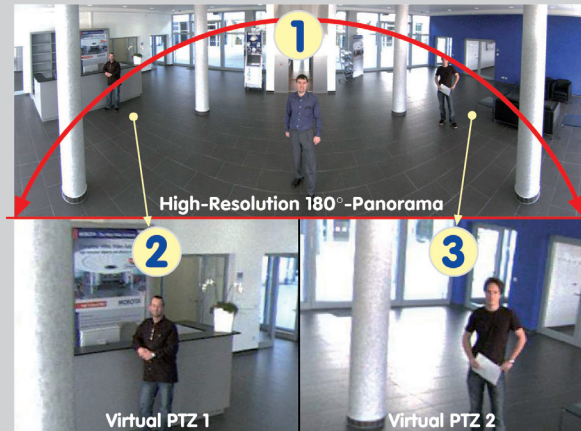
## Remote Access. Efficient.

Secure. Direct to every camera. UMTS, 3G, WLAN, internet, local company network. Without using a PC. Telephone with Web-browser is sufficient. Efficient access. Even with slow connection. Through image scaling in the camera. Details through image enlargement of selected areas. While still continuously recording full Panorama image. Research and analysis without losing detail.



## Virtual PTZ. Discreet Total Overview.

Pan. Tilt. Zoom. Ceiling mounted. 360° overview. Discreet. The difference? Nothing is lost. The complete overview is recorded. Independent of live image. Detailed research through playback. More than just one camera. The advantage? Nothing moves. Nothing can wear out. Flexible display. Single-PTZ. Quad-PTZ. Panorama. And even combined.





## The Camera. Professional.

Indoors and outdoors. One housing. Weatherproof. UV-proof. IP65. MOBOTIX of course. Discreet design. Flexible installation. A network connection is enough. For data and power. Impressive with large speaker. Sensitive with integrated microphone. Audio recording included. Motion activated. Time activated. Event activated. Flexible of course.



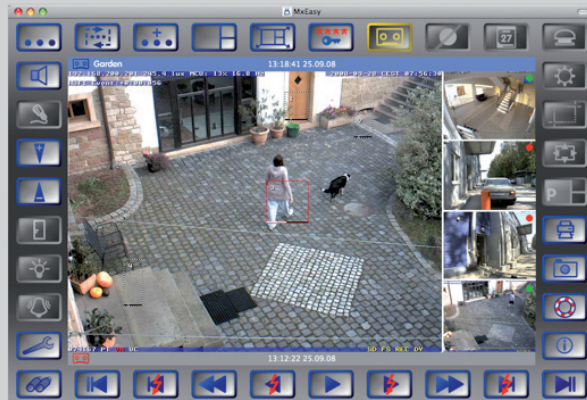
## Mounting. Flexible.

System design. All including. Professional installation. MOBOTIX of course. Well thought out. Complete product. Synchronized. Functional. Aesthetically impressive. Mounting kits. Wall. Dropped ceilings. Poles. Protected cabling. Space for cable feeds. Stable fiberglass reinforced PBT. Extremely UV resistant. White even after years. Stainless steel vandalism proof.



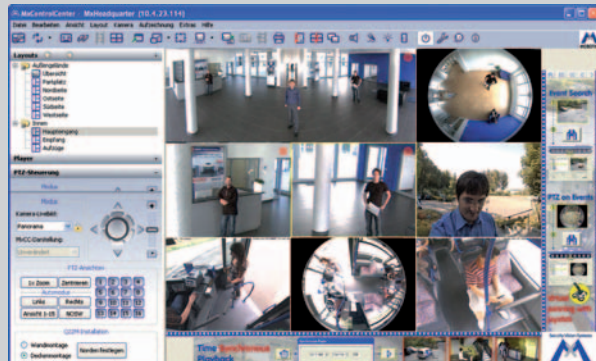
# The Installation. Easy.

Several cameras. Quick install. Click of a button. Intuitive. Free of charge.



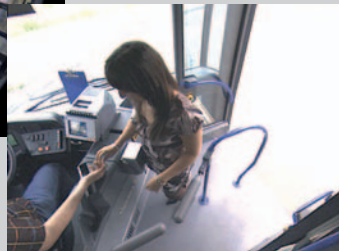
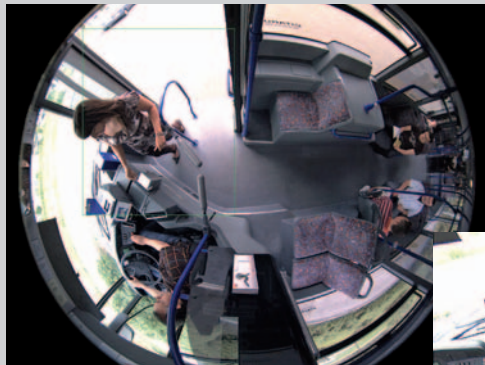
# Video Central. Professional.

Install cameras. Manage. Configurations exchangeable. Archive. Single cameras and groups. Time synchronized search. Post processing. Image post editing. Lens correction. Extracted image area enlargement. PTZ. Print. Display. Via multiple monitors. Alarm lists. Event export. Multi level layouts. Graphical building plans.



# Without Limits. Mobile.

Buses and trains. Overall view recorded. For every eventuality. Live focus view.



# No Blind Spots. All In View.

Overview in Panorama. Focus on critical areas. All with one camera.



## Cost Reductions Throughout The System.

High-resolution Panorama cameras offer a clearly detailed overview of a complete room. Fewer cameras and less cabling needed. The intelligence in the camera eliminates the need for large server- and software-systems. The network load is immensely reduced. Digital recording inside the camera drastically reduces overall system costs.





## Contact

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





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