MOBOTIX News 03/14

Security-Vision-Systems

MOBOTIX

Easier And More Intuitive Than Ever Before!

The new **MxMultiViewer** video management software is a brand-new development for PC/Mac/Linux systems with the focus on simple, intuitive operation. Gesture-oriented interfaces are also supported. One of the major advantages of the comprehensive **MxMultiViewer** is the automatic configuration. This means that all MOBOTIX components in one network are automatically located and preinstalled. This way, it is possible to bring a complete network of cameras and door intercoms into use in just a couple of minutes – without a browser and without other software.

The **MxMultiViewer** simply combines cameras into groups and enables display in a traditional grid or on a graphical background. Each group can be assigned an image for simple identification. Of course, each group can also have its own grid format and its own background

graphic in the various different formats. Full-screen display via mouse click and support for multiple monitors are just as self-evident as simple operation and the clear presentation of events and alarm messages. The grid display can be adjusted to the image format – from 4:3, 8:3 and Full HD with 16:9. In addition to the cameras in the grid, it is possible to add a focus frame in different sizes. The user can drag a camera with a mouse

into the focus frame for more accurate analysis. The toolbar in this focus frame features the control for two-way communication, opening of doors or switching of lights. It is possible to freely define which camera of a group is responsible for opening the door or which one will be used to record a message when the corresponding button is activated in the focus frame.

100% FREE

light+building Hall 9.0 – D40

Security-Vision-Systems

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 AG • D-67722 Langmeil • Phone: +49 6302 9816-103 • Fax: +49 6302 9816-190 • sales@mobotix.com

MxDisplay With RFID & Wi-Fi

Simply See Everything

"It's a smartphone on the wall" – That's the first impression of the new wall-mounted display from MOBOTIX. It can be integrated flush with the wall, it comes in a stylish design in black or white and users can operate it using gestures, just like a modern smartphone. With just a few swipes, the user can look at an overview of the cameras in the house, retrieve the latest video messages on the door intercoms or create a new access transponder for a visitor.

The **MxDisplay** is extremely easy to operate and serves as a fixed remote station for the video door intercom. Regardless of what menu the user is in, tapping the key icon immediately shows the live image of the door intercom. Tapping and holding allows the user to open the door. If necessary, additional security can be provided via a PIN or transponder.

FlexMount frame in black or white

Integrated Wi-Fi enables wireless operation of the display and it can be used as a base station for other displays in the house.

Smartphones and computers can log into the display via the network or the integrated Wi-Fi and use all of the functions in the same manner. This way, a ringing at the doorbell is forwarded to the smartphone or the workstation. The Wi-Fi access point function also allows the **MxDisplay** to provide these smartphones and computers with Internet access, meaning it is not necessary to have an additional Wi-Fi system in the building.

Keyless entry cards and transponders for the video door intercoms are created, changed and blocked directly via **MxDisplay**. The transponders can be assigned names, and permissions can be limited in time, restricted to weekdays and hours or protected with an additional
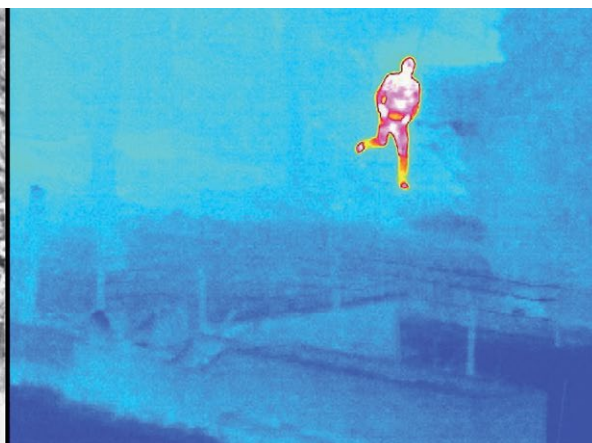
PIN. All entries and entry attempts are stored and, if desired, documented with video.

Alarm lines, the opening of doors, camera sensors, window contacts or other sensors can be activated as an alarm with the display of a live camera. There is also an integrated automatic doorbell when specific doors of the system are opened.

The IP-based display is directly connected to the network and supplied with power via the network cable (PoE). If the display is to be operated via the integrated Wi-Fi only, it can be supplied with an external voltage of 12 to 24 V. There is a 12/24 V relay and 2 A switching current available as a signal output. You can use the encrypted MOBOTIX two-wire bus to connect additional IO devices, sensors or satellite time receivers.

MOBOTIX Thermal Cameras

Security-Vision-Systems

MOBOTIX

50 mK

images during the day and in twilight hours and reliable motion detection at night.

Reliable Detection At Night

The new thermal camera modules measure the thermal radiation of objects so that they can function in absolute darkness. Together with the new **MxActivitySensor**, they can reliably detect motion in images at night. Only changes in position trigger a signal. Objects moving on the spot do not trigger a signal.

The thermal modules also have an advantage during the day since they can detect moving objects in shadows, semi-darkness or behind bushes.

The MOBOTIX thermal modules are designed for around-the-clock operation (80,000 hours MTBF – Mean Time Before Failure) in industrial conditions and are certified as weatherproof according to IP65. Just like for the daylight modules, there are different focal lengths available for the thermal modules.

The advantages of an M15-Dual with a thermal module and simultaneous daylight sensor lie in the combination of both images: brilliant 5-megapixel

Thermal Calibration

The thermal camera measures the absolute object temperature in the image, meaning it can trigger an alarm, if, for example, it detects a higher temperature in a room or of a device.

Thermal Sensor S15

S15: Flexible And Thermal

The thermal modules are also designed for connection in the weatherproof aluminum housing on the S15 camera, for example, for customer-specific special installations. Here, it is possible to connect two thermal modules to a camera in a very flexible way using two-meter cables for each module.

PT Mount S15

Manual PT Dome For The S15

By default, all S15 modules can be used with the new weatherproof PT15 Dome, which is certified according to IP65. A special model variant also integrates the S15 thermal modules.
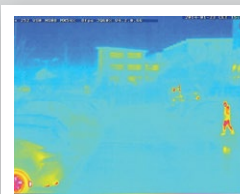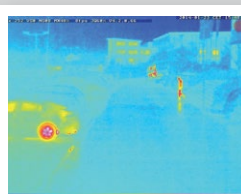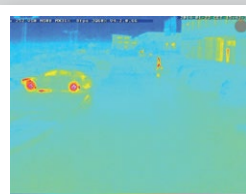
The dome features three axes that allow it to compensate for sideway tilt and to re-align the image horizon horizontally when mounted to a wall.

L43
Wide-Angle 45°

L65
Tele 25°

L135
Tele 17°

New Lenses & MxLEO

MOBOTIX

3 MP – 20 Lux @ 1/1 sec

New Lens   5 MP, **MxLEO** – 20 Lux @ 1/50 sec

New 5 Megapixel Cameras Are 10 To 20 Times More Light Sensitive

The new camera line with 5-megapixel sensors (M15, D15, M25, D25, S15, T25 and Q25) is significantly more light sensitive than the previous 3-megapixel cameras and can select a considerably shorter exposure time, even in low light conditions. This significantly reduces motion blur. While the previous series used an exposure time of 1/10 second, the new camera line uses 1/100 second.

This high light sensitivity will double in June 2014 with the new HD lenses, further reducing the need to employ Day/Night cameras. This will lead to significant cost savings through more affordable camera systems and a substantial reduction in energy costs while simultaneously delivering additional lighting.
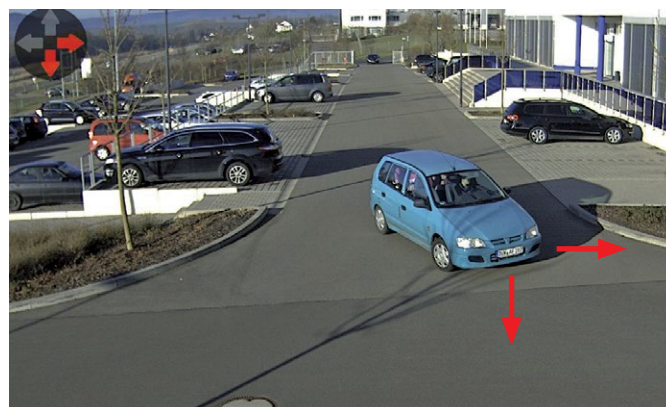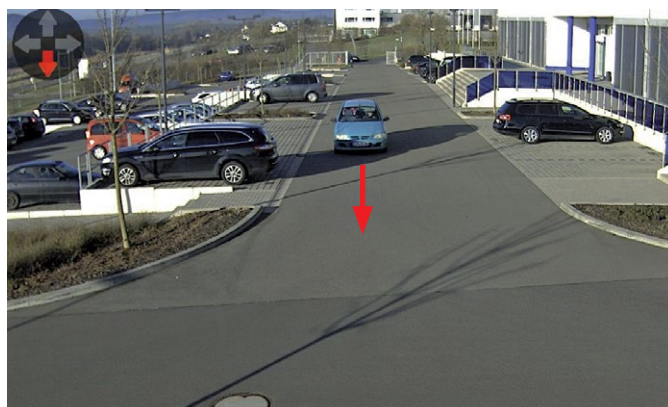
Image Improvement With MxLEO Noise Suppression

The new 5-megapixel camera line is the first to feature software for image improvement in very dark scenes, thus minimizing motion blur. In addition, the new models have a noise filter directly on the image sensor. The filter reduces image noise and therefore enables shorter exposure times and sharper images. Depending on the specific requirements, it is now possible to select whether the automatic exposure function extends the calculated exposure time, for example, to create high-contrast night recordings for web images or shortens the exposure time in order to display fast movements crystal clear.

Dual Cameras Win Over PTZ

Dual cameras with two lenses of different focal lengths (for example, a wide angle and telephoto lens at the same time) have the benefit of significantly higher light sensitivity when compared with cameras with a zoom lens. Due to their design, zoom lenses have a small aperture or a larger f-number and typically allow ten times less light through than the fixed HD lenses from MOBOTIX. The high resolution of today's sensors means that the digital zoom using electronic switching between two different lenses is usually sufficient and the high light sensitivity is a decisive advantage.

3 MP – 2 Lux @ 1/10 sec

5 MP, **MxLEO** – 2 Lux @ 1/10 sec
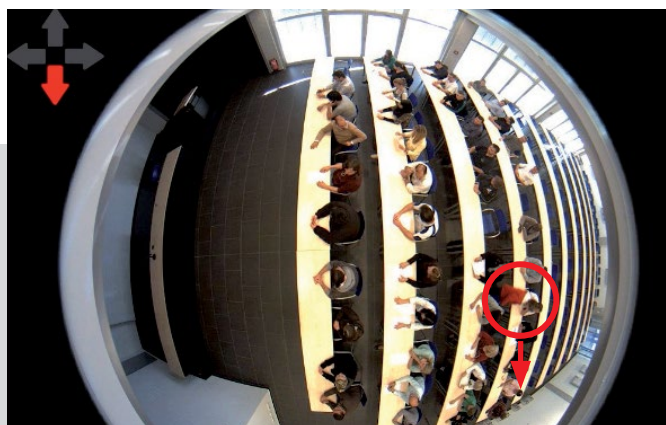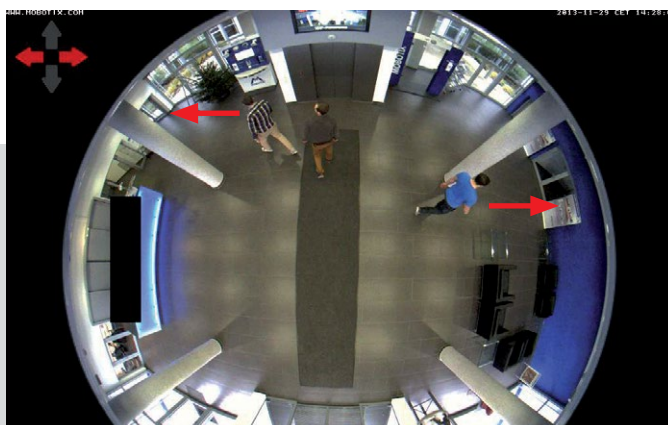
4

MxActivitySensor

Greatly Reduces False Alarms Triggered By Wind And Weather
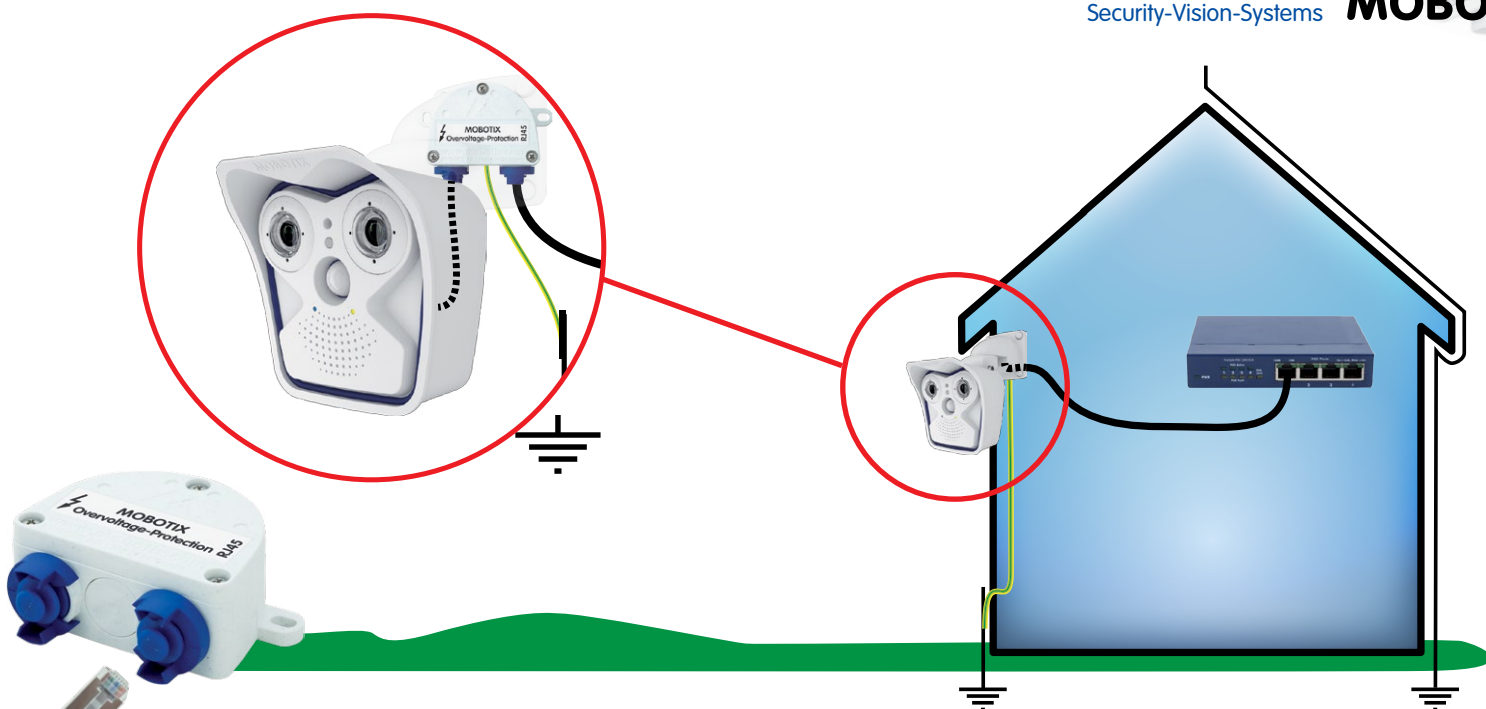
When relevant image changes and movements are automatically detected, an alarm can be automatically triggered and the corresponding image sequence or its identifier can be independently recorded. Recording everything would require a lot of memory and the user would have to search the entire area in order to find the relevant scene.

Something that can be done relatively simply indoors (due to stable environmental conditions) using image comparisons

(video motion sensors) generally leads to major problems and time-consuming configurations in outdoor settings. Trees sway in the wind, clouds move, shadows appear and the camera pole shakes during storms. As a result, detecting moving objects in outdoor settings poses major challenges, and normal sensors trigger a high number of false alarms and false recordings and are often difficult and time-consuming to set up. After many years of development work, MOBOTIX now presents the **MxActivitySensor**, which perfectly masters this task. It only needs to be switched on and it then

autoconfigures itself. Whether large objects in the foreground or small ones in the background, **MxActivitySensor** only records video or triggers an alarms if an important event actually occurs. Interference caused, for instance, by trees moving in the wind, shadows, passing clouds or snowfall is consistently ignored. In addition to selecting an image area, it is also possible to select the direction of movement of an object that should trigger recording or an alarm. Visit the MOBOTIX website to view impressive sample videos of **MxActivitySensor**.

New Interface Boxes

Security-Vision-Systems

MOBOTIX

Overvoltage Protection And Installation Support In One

The new weatherproof interface boxes with integrated overvoltage protection come in two different versions: as an adapter for installation cable to patch cable and between two RJ45 patch cables. They protect cables against surges of up to 4 kV and should be integrated on both sides of the cable routes. At €48, the low-cost overvoltage protection boxes are a MUST-HAVE for all outdoor installations. Of course, they cannot protect against direct lightning strikes, but they protect devices against surges.

MOBOTIX Door Station Protects London Luxury Apartments

The luxurious City Harbour complex in London uses the IP Video Door Station from MOBOTIX to secure its 84 apartments. All of the entrances are equipped with a hemispheric Door Station that allows the occupants to view events in front of the door, open the door for visitors, communicate with visitors or listen to messages simply and conveniently anytime using a computer or the MOBOTIX App. The Door Station camera delivers high-resolution images, yet the network is not overloaded thanks to the de-centralized concept. Data is stored inside the camera itself, as are the functions that require a large amount of processing power such as distortion correction and compression, so that the owner of the complex does not have to provide an extensive, high-performance network.

light+building Hall 9.0 – D40

First Place For MOBOTIX

MOBOTIX earned the first place in the Munich Strategy Group's "TOP 100" SMB Ranking for the third time in a row. Deloitte Consulting has also awarded MOBOTIX several times for outstanding performance, including the Axia Award in February 2014 and the Fast 50 Award in November 2013. MOBOTIX products are also very convincing: Readers of GIT magazine named the M15 as winner of the GIT Security Award 2013.