Mx6 Dual Cameras Open Up New Opportunities

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Intelligent, Powerful And Flexible: The Mx6 Camera Line Is The Most Powerful 6MP MOBOTIX Camera System And The First To Support The H.264/ONVIF* Industry Standard.

MOBOTIX is starting series production of their new Mx6 6MP camera line with the outdoor dual cameras M16, D16, S16 and V16. In terms of their outer appearance, these models look exactly the same as the x15 cameras (which are still available); all the innovations in these new cameras have been made to the mainboard and camera software.

Higher-performing And More Intelligent

Mx6 cameras use a new, more powerful CPU that delivers up to twice as many images per second – at the same resolution. For example, they deliver up to 34 frames per second in full HD. This allows for even better capture of quick movements. The new camera line is not only faster, but also has more capacity for software applications such as 3D motion analysis and license plate capture in the camera. Regular software updates ensure that the performance of the intelligent camera system continually improves. This makes the Mx6 camera system a smart investment.

Sharp Images In MxPEG And H.264

Mx6 cameras simultaneously deliver video data in up to three different formats: MxPEG, MJPEG and, for the first time, H.264. This allows MOBOTIX users to choose the right codec for their application; for example, they can use MxPEG to fulfill requirements for high image quality or use H.264 to achieve compatibility with the industry standard. Moreover, Mx6 cameras also offer basic functions in keeping with ONVIF, a global open interface standard. The next firmware update will achieve complete ONVIF compatibility (www.onvif.org). The new Mx6 camera system is far more flexible and higher performing, thanks to RTSP/Multicast. Multicast enables simultaneous camera access for any number of users without reducing the frame rate. "The new camera system with H.264/ONVIF opens up new application and integration options for our partners and end customers. The Mx6 system makes much of what makes MOBOTIX unique even better. The new dual core processor architecture has allowed us to achieve the most processing power that a MOBOTIX camera system has ever had, the highest MOBOTIX frame rate, intelligent 3D motion detection and even more capacity for software applications on the camera," explains MOBOTIX CTO Dr. Oliver Gabel.

Step-by-step Introduction Of The New Camera Line

The first step will be to introduce the dual camera models D16, M16, S16 and V16, which offer the greatest scope of functionality and, thanks to their robust design, are particularly well suited for use outdoors. A modular system with various sensor and lens options allows the MOBOTIX dual cameras to be customized.

The standard version of the **M16 AllroundDual** features two light-sensitive sensor modules to deliver sharp color videos and high-contrast black and white videos, even in poor light conditions. The electronic switching between the day and night systems is automatic (with no moving parts) and reliable at any temperature and in any weather. The **M16 Thermal** is equipped with a high-performance thermal image sensor that detects moving objects, even in total darkness. A second image sensor module can be added at any time to reliably identify objects, even in poor lighting. The thermal radiometry (TR) function enables temperature events to be initiated automatically to detect fire or heat sources. MOBOTIX thermal cameras also offer the thermal overlay function to identify so-called "hotspots" in a visible image. Thanks to the unique combination of a modular double-sensor and DualFlex technologies, the S16 DualFlex covers two areas and remains virtually invisible. The S16 is used wherever customized solutions and installation methods are required, where standard cameras are pushed to their limits. The **D16** is a DualDome camera with two image sensors that are suitable for a wide range of applications, thanks to the large number of viewing options. It is available in a completely modular version as a Standard DualDome, a 180° version with an extra-wide panorama view or as a day/night model. As a next step, MOBOTIX plans to introduce the single lens model.

Intelligent Prevention Is The Future

Decentralized system architecture also entails additional advantages for the new Mx6 dual cameras: Alongside higher image quality, robustness and reliability, intelligent MOBOTIX cameras enable reliable alarm management. The cameras not only deliver sharp images, but also analyze the collected data, recognize hazards, automatically trigger actions to protect against risks and prevent financial loss through theft, vandalism or fire.

* ONVIF-ready; full Profile S support with future software update

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About MOBOTIX AG

MOBOTIX is a leading manufacturer of intelligent IP video systems in premium quality and sets standards in innovative camera technologies and decentralized security solutions with the highest level of cyber security. MOBOTIX was founded in 1999 and is headquartered in Langmeil, Germany. The company relies on its own research and development as well as its own production "Made in Germany". Customers around the world trust in the durability and reliability of MOBOTIX hardware and software. The flexibility of the solutions, the integrated intelligence and the highest level of data security are appreciated in many industries. MOBOTIX products and solutions support customers in areas such as industrial manufacturing, retail, logistics and healthcare. With strong and international technology partnerships, the company is using artificial intelligence and deep learning modules to expand its universal platform and new applications in a wide range of sectors.

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