

Cybersecurity & Data Protection

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Cybersecurity and Data Protection as Key Elements for Highest Quality of MOBOTIX Video Surveillance Systems

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Langmeil, March 2023 - The United States led the way with the National Defense Authorization Act (NDAA). To protect against Chinese espionage, the NDAA lists specific components and companies that may not be used for telecommunications equipment (including security products) or services to sell the end products to U.S. federal agencies, their contractors, and grant or loan recipients and related entities. More countries followed suit with the U.K. and Australia, and the EU launched the Cyber Resilience Act (CRA) late last year. These companies and components of Chinese origin listed in the NDAA are suspected of being used for spying and espionage by the Chinese government.

MOBOTIX AG confirms that all MOBOTIX video systems comply with the requirements of the NDAA and are 100 percent NDAA compliant. MOBOTIX does not use SoC (System on Chip) or other components that can process software from Chinese companies. In addition, MOBOTIX products purchased from OEM (Original Equipment Manufacturers) partners are also 100% NDAA compliant. MOBOTIX has clearly demonstrated in a defined 3-step self-certification process that its video surveillance cameras do not contain any Chinese components.

The high-quality standards are also confirmed by the renowned Australian "Security Electronics & Networks Magazine (sen.news)", which comments as follows: "In SEN's opinion, the most cyber-secure IP surveillance camera is Mobotix, ... with its tremendous operational flexibility and impeccable cybersecurity credentials."

Cybersecurity and data protection as central quality features

Cybersecurity is an integral part of the MOBOTIX DNA. The video systems undergo regular penetration tests, for example, by the French Centre national de prévention et de protection (CNPP) and SySS GmbH, Germany's leading institute for penetration tests. All MOBOTIX products and solutions are integrated into the

comprehensive cybersecurity strategy, whose overall measures are bundled in the MOBOTIX Cactus Concept https://www.mobotix.com/es/cactus-concept-cyber-security.

"We very much welcome the growing sensitivity of governments in particular, and companies have long since recognized the danger of industrial espionage," said Christian Cabirol, CTO of MOBOTIX AG. "For many years now, we have been using only high-performance industrial FPGAs (Field Programmable Gate Arrays) for our hardware and image generation chains, thus offering reliable protection for the user." An FPGA is used for continuously processing digital signals such as audio and video, neural networks and deep learning algorithms, and artificial intelligence, making a system far less vulnerable to hacking and spyware. "Proprietary MOBOTIX software 'Made in Germany' is used on these processors - giving us full control over what the entire system does and can do," explains Cabirol.

The decentralized architecture of the MOBOTIX video systems also ensures the highest level of security, as all image processing processes, such as the pixelation of persons, take place directly on the camera, and no transmission of unpixelated data takes place. In general, data protection and DSGVO-compliant applications are the focus of MOBOTIX. For example, apps from the MOBOTIX 7 platform can even dynamically pixelate images by recognizing and automatically anonymizing people. This can be important when monitoring sensitive areas, public places, or schools. Thermal applications also offer the best opportunities for DSGVO-compliant perimeter and object protection, as people can be seen in the thermal image but cannot be identified. The decentralized architecture also does not require a permanent stream to a server or control center, as image data is only transmitted when an event occurs. And this dialog is always encrypted.

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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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