

Stay On The Safe Side With Intelligent IP Video Systems From MOBOTIX

February 22, 2019

Langmeil, Germany, February 21st 2019 – MOBOTIX, the leading manufacturer of premium-quality secure IP video systems, is responding to the latest news about the use of non-secure hardware and software in IT or network infrastructures. Global players from the U.S. have already reacted and banned certain manufacturers from public contracts. Australia has also forbidden the use of products from certain manufacturers that are under suspicion of facilitating unauthorized access to data or not being able of warding off hacker attacks via cells on SoCs (System on a Chip).

Thomas Dieregsweiler, Head of Product Management at MOBOTIX, confirms that with certain Systems-on-Chips no reliable protection can be guaranteed when using them. Especially when the basic software is used by third-party SoC vendors, it is difficult to assess the risks for these vendors. SoCs are chips onto which functions of a programmable electronic system (such as an IP-based video surveillance system) are integrated.

MOBOTIX only uses high-performance industrial FPGAs (Field Programmable Gate Arrays) from well-known American manufacturers for its hardware and image generation chains, providing reliable protection for the user. An FPGA is used for the continuous processing of digital signals such as audio and video signals, neural networks and Deep Learning Algorithms / Artificial Intelligence and makes the system far more invulnerable to hacker attacks and espionage software.

“We use proprietary MOBOTIX software on these processors and retain full control over what the entire system does and is capable of,” Thomas Dieregsweiler explains. This approach is a core component of the MOBOTIX “Cactus Concept,” a company-wide overall strategy for cyber-secure products and solutions. Alongside numerous technical measures, such as the use of FPGAs, control over the entire value-adding chain is a key factor in implementing the MOBOTIX “Cactus Concept.”

“We haven’t detected any hacker attacks on our security systems to date,” Thomas Dieregsweiler emphasizes.
In order to prevent security gaps from arising in the first place, the MOBOTIX Security Team regularly checks hardware and software, also in cooperation with internationally recognized penetration test houses. In addition, MOBOTIX offers trainings and webinars to train partners and customers on the topic of security and

to raise their awareness for IT security issues.

Thus, MOBOTIX provides end-to-end solutions that offer significantly more protection than the industry standard: A consistent security concept including encryption "Made in Germany", which was successfully tested by SySS GmbH, the market leader in Germany in the field of penetration testing.

About MOBOTIX AG

MOBOTIX is a leading manufacturer of premium-quality, intelligent IP video systems and sets standards for innovative camera technologies and decentralized security solutions with the highest level of cybersecurity. MOBOTIX was founded in 1999 and is based in Langmeil, Germany. MOBOTIX has an in-house research and development department, an in-house production facility in Germany and operates distribution companies in New York, Dubai, Sydney, Paris and Madrid. Customers worldwide trust in the durability and reliability of MOBOTIX hardware and software. The flexibility, built-in intelligence and unparalleled data security of the company’s solutions are appreciated in many industries. MOBOTIX products and solutions help customers in industries such as industrial manufacturing, retail, logistics and healthcare. With strong and international technology partnerships, the company will continue to expand its universal platform and develop new applications in the future.

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