

MOBOTIX Launches new camera model MOBOTIX S ONE DUAL

New modular dual camera sets new standards for discreet, rugged and AI-powered video applications

26 febbraio 2026

Langmeil, 26 February 2026 – MOBOTIX launches the S ONE Dual today, expanding its product portfolio with a highly advanced and exceptionally discreet camera solution designed for demanding application scenarios. As the powerful successor to the proven MOBOTIX S16, the new camera combines maximum flexibility, high image quality and intelligent video analytics – even under extreme environmental conditions.

The MOBOTIX S ONE DUAL is purpose-built for discreet applications where conventional cameras are too visible or too exposed. Two high-resolution 4K UHD sensor modules can be flexibly connected to the concealed camera housing via cables of several meters in length. This design enables near-invisible integration in vehicles, industrial machinery, barrier systems, production environments or customized enclosures.

“With the MOBOTIX S ONE DUAL, we demonstrate how powerful modern video analytics can be when it runs directly on the device. The combination of concealed installation, modular 4K sensor technology and AI-based on-device analytics enables new applications where traditional cameras reach their limits – robust, data-sovereign and uncompromisingly reliable,” says Christian Cabirol, CTO of MOBOTIX AG.



Maximum flexibility – uncompromising robustness
The compact camera is purpose-built for industrial use. With IP66 and NEMA-4X certification and an operating temperature range from –40 to +65 °C, the MOBOTIX S ONE DUAL is ideally suited for harsh environments. Concealed installation provides effective protection against tampering and unauthorized access. The sensor modules feature IK10-rated vandal resistance, enabled by a housing design developed exclusively by MOBOTIX with enhanced lens protection.

The integrated mounting plate – featuring the same drill pattern as the MOBOTIX S16 – allows for easy system replacement, offering a clear advantage for existing customers and retrofit projects.

Intelligent video analytics directly on the device
A key feature of the MOBOTIX S ONE DUAL is the standard integrated ActivitySensor ONE application. This AI-based video analytics solution operates fully on-device, without the need for external servers or cloud connectivity. Movement, people, vehicles, direction of travel and suspicious loitering are reliably detected – simultaneously on both sensor channels in parallel operation.

Intelligent filtering significantly reduces false alarms caused by rain, lighting changes, shadows, animals or moving vegetation. The result is low latency, optimized VMS performance and maximum data sovereignty.

High-resolution image quality – efficiently stored
The two 1/1.8” sensor modules, each equipped with an integrated microphone, ambient light sensor and RGB status LED, deliver sharp 4K images with 120 dB wide dynamic range (WDR) and automatic day/night switching. Comprehensive codec support – including H.264, H.265, MxPEG+ and MJPEG – allows an optimal balance between image quality, bandwidth and storage requirements. With up to 2 TB of internal storage and a pre-installed 64 GB microSD card, the MOBOTIX S ONE DUAL is also suitable for standalone applications. Power over Ethernet (PoE) with consumption below 10 watts ensures simple and energy-efficient installation.

Designed for discreet applications with the highest requirements

Typical application areas for the MOBOTIX S ONE DUAL include:

- Industrial machinery and production facilities
- Video-controlled access and barrier systems
- Warehousing and logistics environments
- Discreet security and surveillance applications
- Vehicles such as buses, trains and special-purpose vehicles

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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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