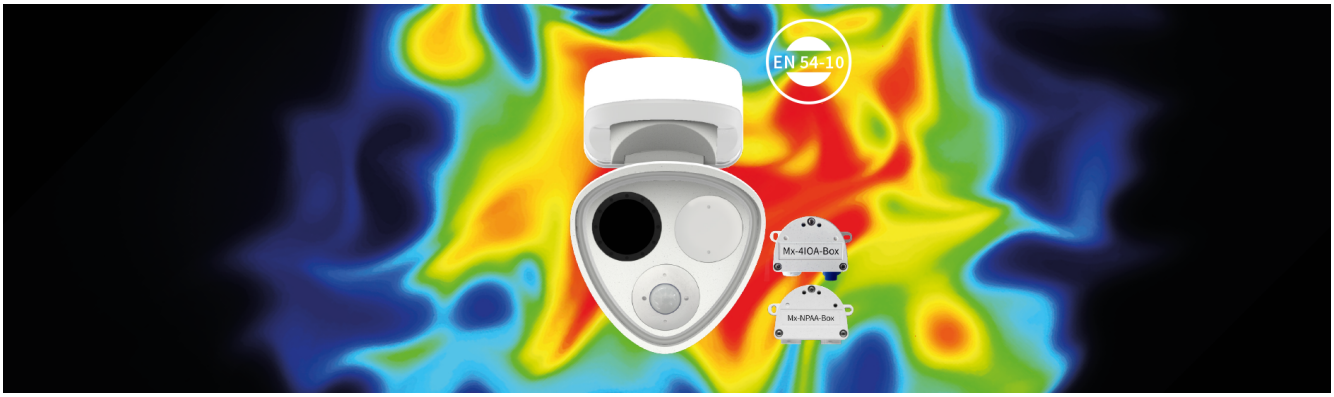


MOBOTIX Achieves EN 54-10 Certification for New M73 Thermal Bundle

High-Performance Early Fire Detection with Enhanced Precision and Cybersecurity

January 15, 2026

MOBOTIX AG received the EN 54-10 certification for its new M73 Thermal Bundle featuring a 95° VGA thermal sensor. The solution fully complies with European requirements for flame detector-based fire detection systems as well as the EU Construction Products Regulation. The bundle replaces the previous 90° model – at the same price, but with significantly enhanced technological performance.

The certification underlines MOBOTIX's leading role in the field of intelligent thermal early fire detection. System integrators, fire protection planners, and operators of industrial facilities, energy infrastructure, or waste management sites benefit from a solution that combines maximum precision with the highest level of cybersecurity – Made in Germany.

New 95° VGA Module: Wider Field of View, Higher Sensitivity, Faster Detection

The new 95° module operates at 30 frames per second (fps) with a thermal sensitivity of 30 millikelvin (mK), representing a significant performance leap compared to the previous 90° module (9 fps / 50 mK).

Key benefits include:

- Wider field of view for large-area monitoring
- Higher thermal resolution for earlier detection
- Ideal for halls, technical areas, and extensive outdoor sites

Thermal detection works independently of visual obstructions such as smoke or dust, making it faster and more reliable than conventional heat detectors or aspirating smoke detection systems.

MOBOTIX’s radiometric technology enables up to 20 measurement windows to be monitored from distances of up to 25 meters – fully compliant with EN 54-10 requirements.

Optionally, a 4K optical sensor can be integrated to visually document alarm events and minimize false interpretations. The new EN 54-10 bundle includes all components required for standards-compliant integration into fire alarm systems:

- Mx-NPAA Box for certified PoE+ power supply
- Mx-4IO Box for connection to existing fire alarm infrastructure

Both hardware and software are fully EN 54-10 tested and come with a 5-year manufacturer’s warranty.

> “With the new M73 Thermal Bundle 95° VGA, we are setting a technological benchmark in early fire detection. The combination of highly sensitive thermal imaging, AI-based analytics, and full EN 54-10 certification creates a level of safety that goes far beyond conventional fire detectors. Our customers receive a robustly tested solution that detects hazardous situations before they become visible – protecting people, assets, and values,” says Christian Cabirol, CTO of MOBOTIX AG.

The New MOBOTIX Bundle at a Glance

- New 95° VGA thermal module (30 fps / 30 mK)
- No price increase despite higher performance
- Full EN 54-10 certification for hardware and software
- Up to 20 measurement windows, detection from up to 25 m
- Suitable for indoor and outdoor applications
- Easy integration into fire alarm systems via NPAA and 4IO boxes
- Optional 4K optical module
- Hardware and software Made in Germany
- 5-year warranty

Click here for further information

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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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