

BE THE ONE

IP66

NEMA 4X

IK10

360°

THERMAL

One of the most robust high-end built-in cameras in the world!

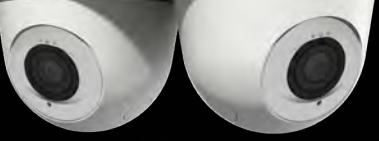
MOBOTIX S ONE Dual

Invisible strength. Visible impact.

- ✓ **Flexible Sensor Configuration –** Up to two optical or thermal sensor modules – from a 360° room overview to temperature measurement
- ✓ **Compact, robust housing –** can be installed behind panels, walls, or in devices
- ✓ **Certified resistance:** IP66, NEMA 4X, IK10 (sensor modules), -40°C to +65°C (-40 to 149 °F)
- ✓ **AI analysis on both optical sensor modules simultaneously:** Integrated ActivitySensor ONE for precise object and motion detection
- ✓ **Up to 2 TB internal memory:** 64 GB microSD card as standard
- ✓ **Codec variety:** H.264, H.265, MxPEG+, MJPEG
- ✓ **Versatile areas of application:** Vehicles, machines & industrial plants, barrier, access and logistics systems, security-critical areas with concealed camera architecture
- ✓ **Made in Germany:** Highest cyber security, 5-year warranty, extendable to up to 8 years

Find out more at
www.mobotix.com

MOBOTIX
BeyondHumanVision



DualMount – Two different directions with just one camera

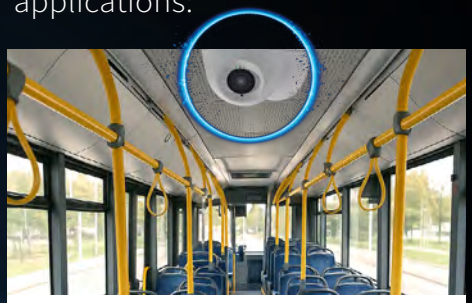
MOBOTIX S ONE Dual – Invisible strength. Visible impact.

The **innovative camera system** was developed specifically for applications in which conventional cameras are too large, too conspicuous, or too vulnerable—such as in vehicles, machines, access systems, or custom-made protective housings.

The MOBOTIX S ONE Dual combines a compact camera housing for discreet installation with up to **two independently positionable sensor modules**. **Optical day-and-night modules with various fields of view, including hemispheric options, and radiometric thermal modules** let you tailor the configuration to your application – including combinations of optical and thermal sensors. **Sensor cables up to 5 metres** long provide flexibility in positioning.

Areas of application

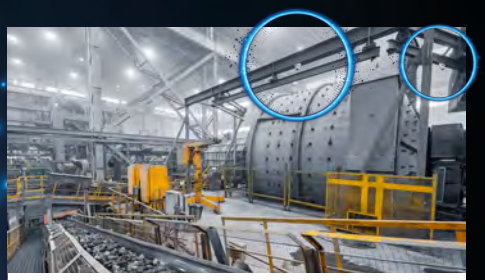
The MOBOTIX S ONE Dual offers **maximum flexibility for discreet integration**. Its robust design, versatile sensor configurations and intelligent video analytics make it ideal for a wide range of applications:



1x DualMount – Two directions

Safety in and around vehicles

Whether in buses, trains, or emergency vehicles, the MOBOTIX S ONE Dual can be installed discreetly and provides clear images both indoors and outdoors. Even in the presence of vibrations, moisture, or extreme temperatures, the image quality remains reliably high. It is also ideal for installation directly in car washes.



2x PTMount – Flexible alignment

Industry & Production

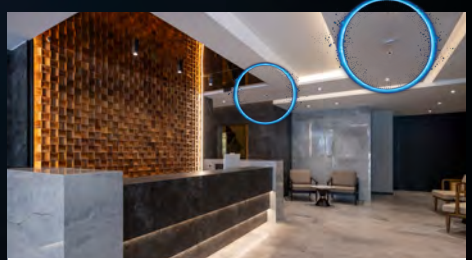
The camera provides a robust solution for production lines and machine monitoring. Optical sensor modules deliver detailed video images, while radiometric thermal modules reveal temperature anomalies – supporting process monitoring and early fire detection.



Integration into existing systems

Access & barrier systems

The camera supports smart access control. Whether at factory entrances, parking garages, or sensitive security zones, it integrates seamlessly into existing systems and provides the appropriate video support for barrier and access solutions.



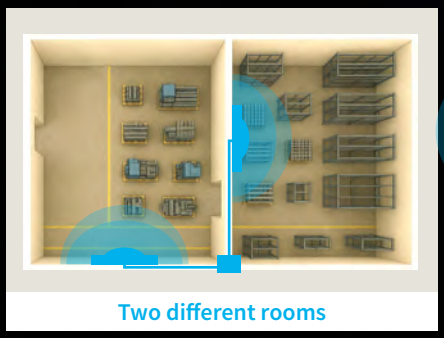
Discreet ceiling installation

Discreet security solutions

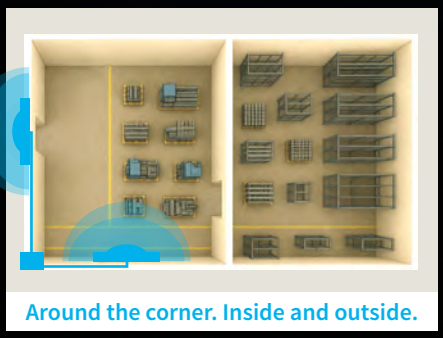
The MOBOTIX S ONE Dual excels wherever conventional cameras would be intrusive. Hotels, museums and reception areas benefit from discreet integration into walls, ceilings or furniture. Hemispheric sensor modules provide a comprehensive room overview with just one camera.

Further application advantages

The MOBOTIX S ONE Dual **captures up to two areas simultaneously** – indoors, outdoors or around corners. Combine different optical fields of view, hemispheric room overviews and radiometric thermal imaging to suit your application.



Two different rooms



Around the corner. Inside and outside.



2x PTMount – Mounted across corners

AI analytics on both optical sensor modules simultaneously

The MOBOTIX S ONE Dual sets new standards in terms of performance, modularity, and AI-supported object detection. With the **standard integrated ActivitySensor ONE**, the camera is inherently AI-ready – for demanding professional applications around the clock.

Thanks to **AI-based object recognition, both optical sensor modules reliably detect the movements and directions** of movement of people and vehicles (including cars, trucks, buses, motorcycles, and bicycles) **simultaneously but independently of each other**. In addition to classic video surveillance, the ActivitySensor ONE is also ideal for process optimization – for example, in industry, production, logistics, or healthcare. Intelligent analysis provides precise data to make workflows more efficient and safer.

2x PTMount



Integrated ActivitySensor ONE for precise object and motion detection on both sensor modules simultaneously



***For more information**, please visit:*
https://www.mobotix.com/en/products/mobotix-s-one-dual

MOBOTIX
BeyondHumanVision

Fully equipped included!

Robust special plastic housing (PBT-30GF)
Aluminum mounting plate (130x115x33 mm), **S16 compatible holes**

Integrated shock detector for tamper detection

Sensor modules, Input/Output (external speaker, power supply), USB 2.0, Ethernet, MicroSD

Ambient Light Sensor
Status LED (RGB)

4K UHD Day & Night
1/2/5 m cables

Microphone



Up to 2 TB internal storage
64 GB microSD card integrated

Status LED
RGB

Security Clip,
Cable strain relief strip

Ambient Light Sensor
Status LED (RGB)

4K UHD Day & Night
1/2/5 m cables

Microphone

4K UHD Day & Night sensor modules – horizontal fields of view: 15°/30°/45°/60°/95°/120°/180°
VGA High Resolution Thermal sensor modules – horizontal fields of view: 50°/95°

Flexible mounting options:

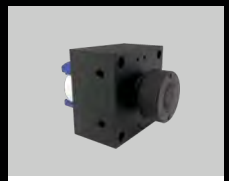


Sensormodule


DualMount


SingleMount


PTMount


BlockFlexMount



Interface boxes

MOBOTIX S ONE Dual – Technical Details

MOBOTIX S ONE Dual camera module (body) for connecting one or two MOBOTIX ONE sensor modules (4K/8MP UHD, Day & Night, 3840 × 2160 pixels, 15°/30°/45°/60°/95°/120°, 180° (2160 × 2160 pixels), ordered separately) or one or two thermal modules (640R050 95° × 76° VGA (640 × 480 pixels) or 640R100 50° × 40° (640 × 480 pixels), ordered separately) • ONVIF-compliant MOBOTIX ONE system platform (Profiles G, S, T) with H.264, H.265, MxPEG+ and M-JPEG • WDR: up to 120 dB • Max. frame rate: MxPEG: 20@4K, H.264: 30@4K, H.265: 30@4K • Temperature sensor, MxActivitySensor ONE, shock sensor • Operating conditions: IP66 and NEMA 4X, –40 to +65 °C / –40 to +149 °F • Internal DVR: 64 GB microSD • Max. power consumption: 12.95 W, power supplied via network cable, PoE Class 3 (IEEE 802.3af) or external 12/24 V DC power supply • Connections: 2× sensor module connectors (M1, M2), 1× RJ45 socket for a weatherproof network connection via MOBOTIX patch cable (Ethernet 1000BaseT, EIA/TIA-568B), I/O (1× input, 3× outputs), 1× audio out, 1× 12–24 V DC input, 1× USB-C • Software interface for MOBOTIX Camera Apps (based on deep learning) • Housing: PBT-30GF • Colour: white • Dimensions (H × W × D): 137.5 × 115 × 33 mm • Weight (body): 540 g • Manufacturer's warranty: 5 years (optionally extendable to up to 8 years) • MTBF: 100,000 h • Certifications: EN 55032, EN 55035, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62368-1, EN 63000, AS/NZS CISPR32, 47 CFR Part 15b, NRTL • Sensor cables ordered separately (1 m: Mx-ONE-CBL-S01-AN • 2 m: Mx-ONE-CBL-S02-AN • 5 m: Mx-ONE-CBL-S05-AN)

MOBOTIX AG • Am Stundenstein 2 • 67722 Winnweiler • Germany
+49 (0) 6302 9816-103 • sales@mobotix.com • www.mobotix.com

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