S74 Video System

Discreet. Versatile. Outstanding.

BeyondHumanVision

MOBOTIX

MOBOTIX

Unobtrusive. Flexible. Brilliant.

Four adjustable modules in one camera

With **up to four modules**, the S74 **is the most flexible MOBOTIX IoT video system ever**. The concealed camera housing makes the camera discreet — only the modules are visible. With the module cables of up to three meters long, multiple directions can be captured with just one camera, one stream and one port.

The MOBOTIX S74 is designed for **outstanding image quality**: inside or outside, during the day or night. The video system is the next product in the open MOBOTIX 7 platform. **With the intelligent camera apps**, the S74 can be tailored to meet any specific need.

Be inspired by its performance, durability and reliability. **Made in Germany. Made to meet high expectations**.

MOBOTIX

Ultra LowLight
Sensors

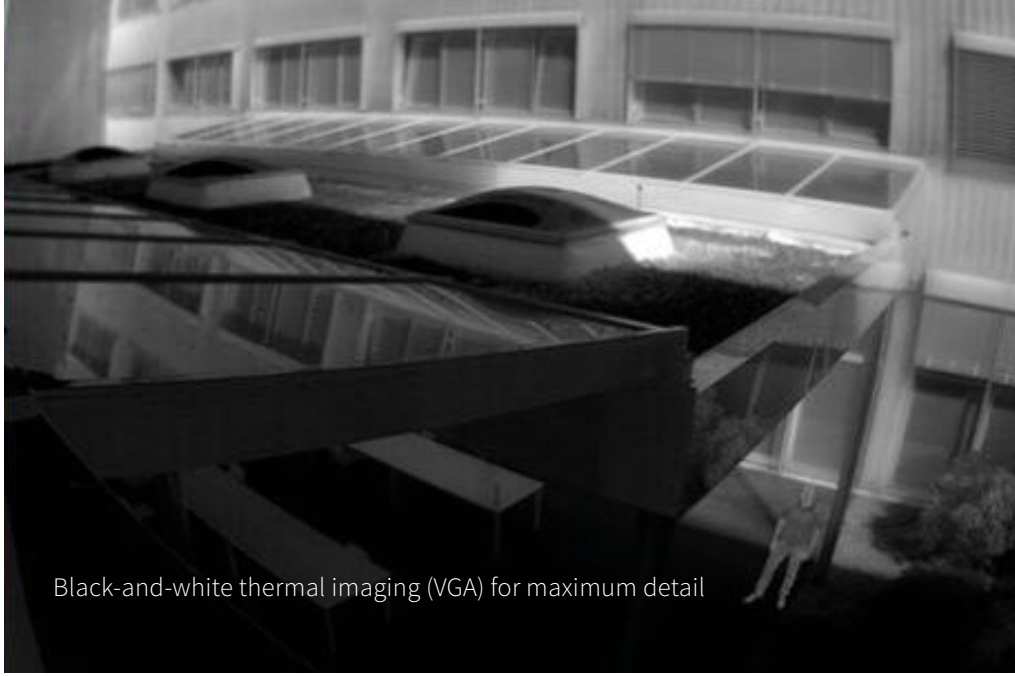
Striking Image Quality

NEW: Ultra LowLight modules for unsurpassed image quality in any environment

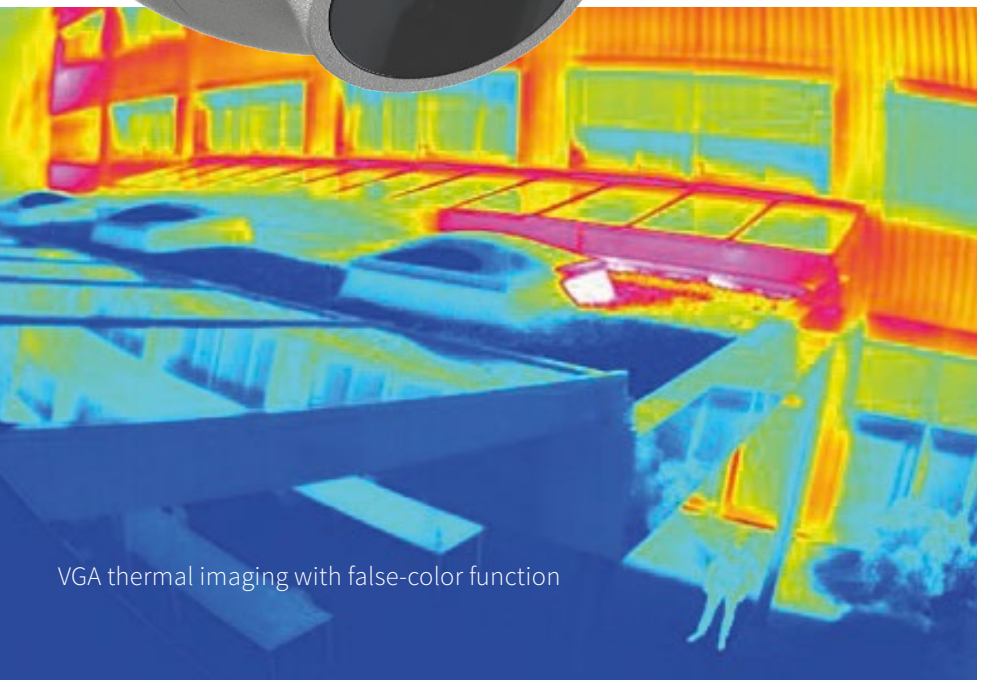
Configure and combine up to four modules of the S74 to meet your exact requirements. With the new **Ultra LowLight sensor**, you can have outstanding images even with minimal light. Thanks to the shorter exposure time, LowLight technology significantly reduces motion blur in poor light conditions. Designed for two optical and two function modules at the same time with added capabilities. Installation has never been easier.

- Wide Dynamic Range function (WDR) for best image quality with backlighting or difficult lighting conditions
- Image sensors: 4K (tele/normal and wide angle), with color sensor (day), BW sensor (night) or color sensor with moving IR blocking filter (day/night)
- **Ultra LowLight 4MP sensor module for superior images with minimal light**
- MultiSense module with PIR, brightness and temperature functions (the microphone function is not available for the S74)
- IR light module (tele/normal/wide angle)
- Board for external audio devices, e.g. MOBOTIX built-in speakers

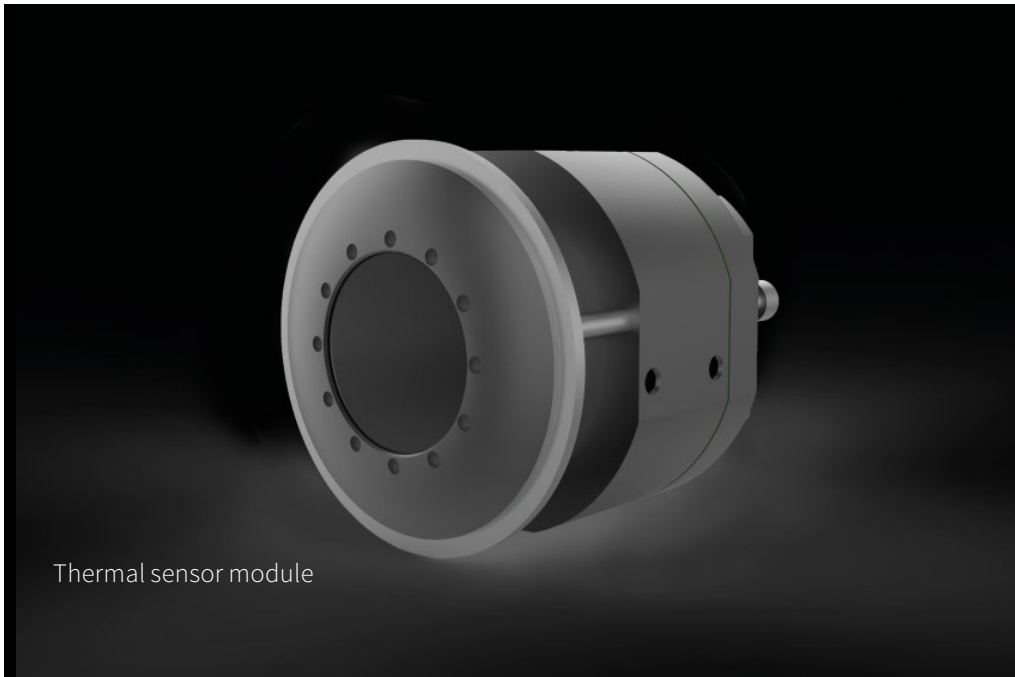
MOBOTIX



Black-and-white thermal imaging (VGA) for maximum detail



VGA thermal imaging with false-color function



Thermal sensor module

Expanding Thermal Technology

Making the invisible, visible - this is how “Beyond**HumanVision**” works

A thermal module enables the S74 to detect the surface temperature of objects and people even in **absolute darkness and from long distances. Thermal technology** makes invisible heat visible.

Industrial companies, public bodies, institutions and private organisations use this for perimeter protection and fire detection, as well as improving production processes. Thermal radiometry technology is a valuable tool for health and safety concerns, it is being used for a first line alarm to identify the surface temperature of people who show an elevated temperature range and warrant further investigation for diagnosis.

- Self-installation 50 MK thermal sensor modules (plug & play)
- With CIF (336 x 256 px) or VGA thermal resolution (640 x 480 px)
- 17˚ tele to 90˚ wide-angle thermal lenses
- Temperature measurement in the center of the image or in the entire image area with thermal radiometry technology

MOBOTIX

At a Glance
Quality, Performance,
Robustness

Performance and Efficiency

- Max. power consumption: 25 W
- Power supply via PoE Class 4 network cable (IEEE 802.3.at)
- Internal DVR: 8-GB microSD, can be expanded

Robustness

- Ambient temperature: -40 to 60 °C (-40 to 140 °F)
- Protection classes IP66 and IK10
- MTBF (Mean Time Between Failures): > 9 years
- Three-year warranty (option to extend to max. eight years)

Image Quality

- Max. image size 4K UHD: 3840 x 2160 pixels, 16:9
- **Ultra LowLight** 4MP day and night sensor modules (Max. image size: 2688 x 1520 pixels, 16:9, around four times greater light sensitivity than 4K UHD)
- **WDR 120 dB** for all image sensor modules
- Max. frame rate: H.264: 30fp@4K /MxPEG+: 20fps@4K

Standards and Video Formats

- ONVIF profiles S and T
- H.264 Triple Streaming
- H.265 Triple Streaming
- MxPEG + (for license-free use of the S74 in MxMC from version 2.2)
- MJPEG

MOBOTIX

The S74 is positively chameleon-like: The eyes move completely independently of each other for the utmost **discretion and subtlety**. Fitted in the inconspicuous DualMount, two modules can be installed and oriented separately.

Install Anywhere, Use Everywhere

Mobile and discreet due to the separation of housing and modules

The MOBOTIX S74 itself operates **discreetly behind a wall**, equipment or ceiling covering. **Only the lenses** and their brackets **are mounted in the field of view**.

Module connection cables measuring up to three meters long give the video system flexibility. This allows two separate areas (two rooms or even around the corner) to be captured simultaneously using just one camera. Opposite lines of vision and different lanes can likewise be monitored with one camera. Accessories available in the future will further increase this range of motion.

- For indoor and outdoor use
- MonoMount for one sensor, DualMount for two sensors
- PTMount: 3 axis pan and tilt mount
- HaloMount for flush ceiling/wall mounting
- Connection cable in **1 m, 2 m and 3 m lengths**
- Plug-in connector for Ethernet (RJ45 or LSA+) and external audio
- Up to two image sensor modules that can be positioned independently of one another (max. 2x optical UDD/Ultra or 1x thermal CIF/VGA plus 1x optical UHD/Ultra)

MOBOTIX

Acts Small - Performs Huge!

The S74 camera housing is made of high-quality, matt-white **powder-coated aluminum is robust and weatherproof** (IP66, IK10). Its compact dimensions of 232 x 129 x 37 mm add to its versatility.

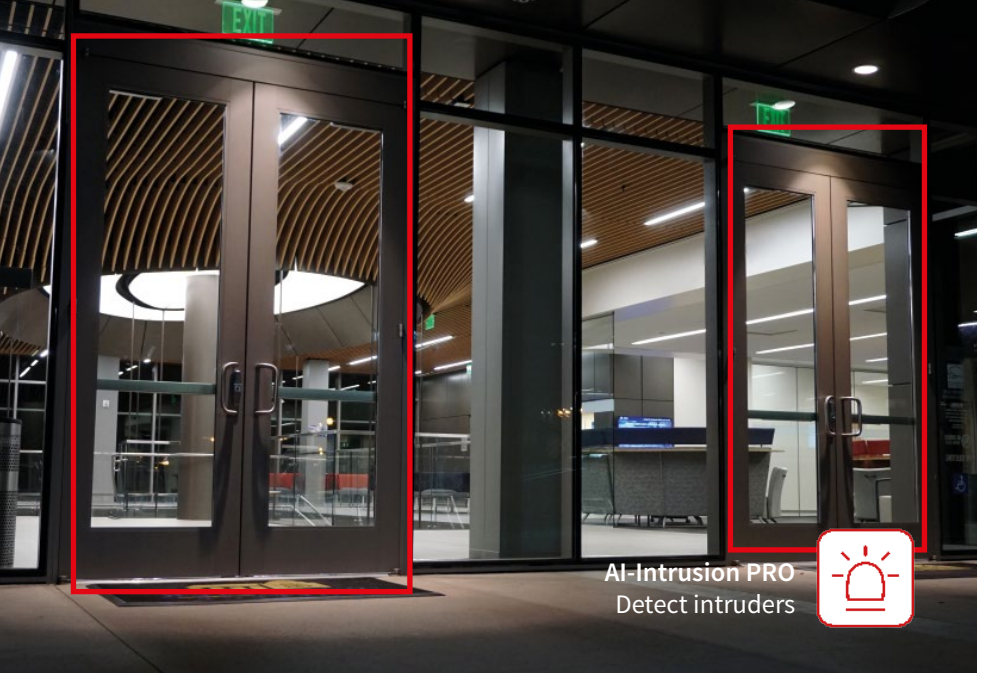
seven.mobotix.com

PTMount

HaloMount

MultiSense

SingleMount


EXIT
EXIT
AI-Intrusion PRO
Detect intruders

AI-FaceDetect-Deep
Recognize masks

AI-Crowd Deep
Support Social Distancing

NL
01-GBB-1
LPR-V1
License Plate Recognition
Recognize number plates

Supporting Software Packages

The intelligent S74 camera apps of the MOBOTIX 7 platform

Modular software plug-ins make the S74 a local device with global performance. The existing MOBOTIX certified apps can be used in a broad range of applications. Many apps use artificial intelligence for this and built in deep learning algorithms.

As a partner you can also **develop your very own apps** for your specific applications. These apps can be integrated into the open MOBOTIX 7 platform using the custom app SDK (Software Development Kit). **Explore the possibilities!**

All currently available MOBOTIX certified apps can be tried **free of charge for 30 days**. The apps installed in the camera can be continuously updated with simple firmware updates.

The pre-integrated **MOBOTIX Analytics** app is cost and **license-free**.

You can find all apps under:
https://www.mobotix.com/en/mobotix-certified-apps

MOBOTIX

Valuable Video Variability

Concrete fields of application in practice

The S74 is perfect for numerous application areas and industries. For **hotels and retailers** its unobtrusive, **educational institutions and public authorities** benefit from cost saving and return on investment. And, the use of the compact technology coupled with intelligent analytics allow for process optimization in **industrial requirements**.

The following scenarios give you a few examples of the numerous **application possibilities**:

- Parallel control of entrances and exits (e.g. with license plate recognition) using a single camera
- Monitoring of multiple lanes of traffic running in different directions (license plate recognition, traffic jams and queues)
- Securing multiple corridors and tunnels
- Corner focused perimeter protection
- Monitoring multiple coverage areas at the same time with one camera
- Discreet surveillance of stores, restaurants, hotels and spa areas
- Aesthetically non invasive
- Reliable and vandal resistant security in buses and on trains
- Monitoring industrial plants (process assurance and optimization)

High-End Video Systems
Made in Germany

Your Benefit is Our Motivation

MOBOTIX - Uncompromisingly reliable and cyber secure

Durability, reliability and data security are core principles at MOBOTIX — and the S74 is no exception. The **ultra-robust camera** housing is made of powder-coated aluminum and the USB-C ports are waterproof. Decentralized **edge computing**: As a standalone IoT camera, the S74 transfers securely encrypted images to the network only when relevant events occur. **Cybersecurity** is the top priority, whether in a centralized, distributed or cloud based application.

The S74 video system consists of **high-performance, best of breed components** that have been made in Germany, **assembled and** thoroughly **tested** at our site **in Langmeil**. With the motivation that applies to all our developments: “Beyond**Human****Vision**” — with the utmost benefit and ROI in mind.

CYBER SECURITY INITIATIVE

MOBOTIX

EN_10/20
MOBOTIX AG

Kaiserstrasse
67722 Langmeil, Germany
Tel.: +49 6302 9816-0
Fax: +49 6302 9816-190
sales@mobotix.com
www.mobotix.com

MOBOTIX is a trademark of MOBOTIX AG registered in the European Union, the U.S.A. and in other countries. Sold only to distributors or commercial clients. Subject to change without notice. MOBOTIX do not assume any liability for technical or editorial errors or omissions contained herein. All rights reserved. © MOBOTIX AG 2020

BeyondHumanVision

MOBOTIX