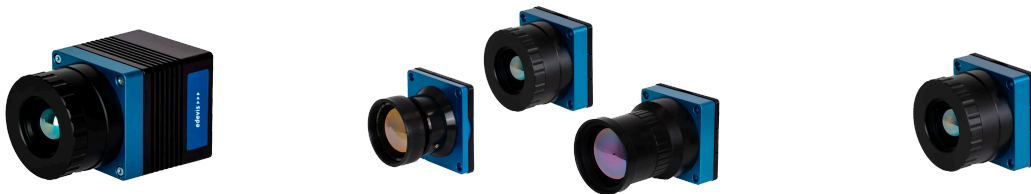


EDECAM

High-speed LWIR infrared camera for active thermography



Capture thermal processes with precision – from laboratory testing to automated inspection. EDECAM is an LWIR infrared camera specifically developed for active thermography. With 640×480 pixels, up to 120 frames per second at full resolution and a thermal resolution below 30 mK, it reliably captures both fast and subtle temperature changes.

The uncooled microbolometer detector operates in the 8 to $14 \mu\text{m}$ spectral range and enables shutterless, low-maintenance operation. Gigabit Ethernet, digital I/O and trigger interfaces support integration into laboratory setups and automated inspection systems.

With 25, 50 and 100 mm lenses, EDECAM can be adapted to different working distances, fields of view and spatial resolution requirements. This makes it a versatile infrared camera for a wide range of edevis active thermography systems.

For more information about EDECAM, visit the [edevis website](https://www.edevis.com).

YOUR ADVANTAGES AT A GLANCE

High frame rate: Up to 120 fps at full resolution enables acquisition of fast thermal processes

High thermal sensitivity: Temperature differences below 30 mK can be detected reliably

Shutterless operation: The uncooled microbolometer detector enables continuous measurement with low maintenance requirements

Flexible optics: 25, 50 and 100 mm lenses cover different working distances, fields of view and resolution requirements

Easy system integration: Gigabit Ethernet, digital I/O and trigger interfaces support automated inspection setups

Optimized for active thermography: Designed for use with OTvis, LTvis, ITvis, UTvis and PTvis

TECHNICAL INFORMATION

DETECTOR:	Uncooled microbolometer FPA
IR RESOLUTION:	640 × 480 px
PIXEL PITCH:	17 µm
SPECTRAL RANGE:	8–14 µm
THERMAL RESOLUTION:	< 30 mK
FRAME RATE:	Up to 120 fps at full resolution
INTERFACES:	Gigabit Ethernet, digital I/O, trigger I/O
POWER SUPPLY:	24 V DC or PoE, 48 V
CAMERA HOUSING:	58.5 × 58.2 mm
MOUNTING:	1/4"-20 UNC
25 MM LENS:	— F/1.4 — Field of view: 24.5° × 18.3° — Working distance: 250–2500 mm
50 MM LENS:	— F/1.0 — Field of view: 12.4° × 9.3° — Working distance: 500 mm–∞
100 MM LENS:	— F/1.4 — Manual focus — Focus range: 0.15–1.7 m — For macro and high-resolution laboratory applications

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