MICRO-EPSILON

More Precision

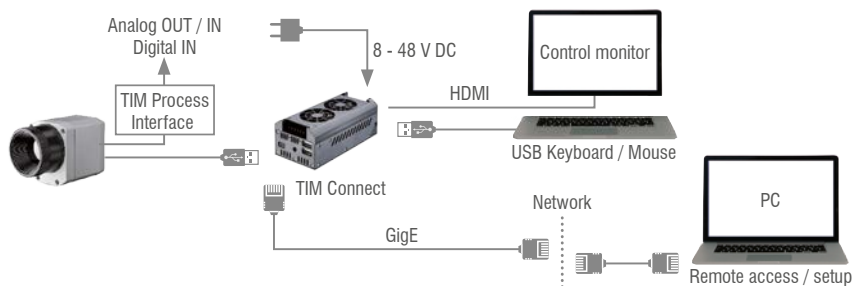**thermoIMAGER IMAGER TIM** // Compact thermal imaging cameras

thermoIMAGER TIM NetBox
Miniature PC for thermoIMAGER TIM series

- Can be integrated into CoolingJacket Advanced Extended
- Miniature PC for all TIM models for standalone mode or for cable extension
- Supports 120 Hz (TIM 160S) up to 80 Hz (TIM QVGA),
  up to 32 Hz (TIM VGA) frame rate
- Integrated hardware and software watchdog
- Additional user software can be installed
- Optional: up to 20 m USB cable, high temperature USB cable,
  extendable up to 100 m Ethernet cable (PoE)

thermoIMAGER TIM NetBox

Model	TIM NetBox
Operating temperature	0 ... 50 °C
Storage temperature	-20 ... 75 °C
Relative humidity	10 to 95 %, non-condensing
Material (housing)	Anodized aluminum
Dimensions	113 x 57 x 47 mm
Weight	385 g
Vibration	IEC 60068-2-6 (sinus-shaped) / IEC 60068-2-64 (broadband noise)
Shock	IEC 60068-2-27 (25 g and 50 g)
Operating system	Windows 10 Enterprise
Power supply	8 ... 48 V DC or Power over Ethernet (PoE/ 1000BASE-T)
Power consumption	7.5 W (+ additional 2.5 W for TIM camera)
Cooling	Active via two integrated fans
Board	COM Express® mini embedded board
Processor	Intel Atom® E3940 Quad Core 1.6 / 1.8 GHz (Turbo)
Hard drive	32 GB SSD
RAM	4 GB (DDR, 533 MHz)
Connections	2x USB 2.0, 1x USB 3.0, 1x Mini-USB 2.0, Micro-HDMI, Ethernet (Gigabit Ethernet)
Extensions	micro SDHC/ SDXC card
Additional functions	4x status LEDs

Sensors and Systems from Micro-Epsilon

Sensors and systems for displacement, distance and position

Sensors and measurement devices for non-contact temperature measurement

Measuring and inspection systems for metal strips, plastics and rubber

Optical micrometers and fiber optics, measuring and test amplifiers

Color recognition sensors, LED analyzers and inline color spectrometers

3D measurement technology for dimensional testing and surface inspection