thermoIMAGER TIM // Compact thermal imaging cameras
thermoIMAGER TIM NetBox

Miniature PC for thermoIMAGER TIM series

- Can be integrated into CoolingJacket Advanced Extended
- Miniature PC for TIM 160 / QVGA standalone mode for cable extension
- Supports 120 Hz (TIM 160) up to 70 Hz (TIM QVGA) frame rate, 32 Hz (TIM 640)
- Integrated hardware and software watchdog
- Optional: up to 20 m USB cable, high temperature USB cable, extendable up to 100 m Ethernet cable (PoE)

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**Model** | **TIM NetBox**
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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 7 Professional
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® E3845 Quad Core, 1.91 GHz
Hard drive | 16 GB SSD
RAM | 2 GB (DDR2, 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

Optical micrometers and fiber optics, measuring and test amplifiers

Sensors and measurement devices for non-contact temperature measurement

Color recognition sensors, LED analyzers and inline color spectrometers

Measuring and inspection systems for metal strips, plastics and rubber

3D measurement technology for dimensional testing and surface inspection

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