More Precision

thermoIMAGER TIM // Compact thermal imaging cameras
thermoIMAGER TIM NetPCQ
PC solution for thermoIMAGER TIM applications

TIM NetPCQ is a professional, embedded industrial PC solution with passive cooling (fanless) for thermoIMAGER applications and is suitable for top hat rail mounting. The NetPCQ and TIM cameras can be operated in combination as stand-alone system. Remote maintenance via Ethernet is possible. Data provided by the TIM camera can be stored directly on the NetPCQ where customer-specific software can also be installed. A recovery-stick is included in the scope of delivery.

- Supports all thermoIMAGER TIM models
- Supports 120 Hz (TIM 160), up to 80 Hz (TIM QVGA), up to 32 Hz (TIM 640) frame rates
- TIMConnect software included
- Monitor via VGA (analog)
- Integrated watchdog feature
- Optional: up to 20 m USB cable, high temperature USB cable, extendable up to 100 m Ethernet cable

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**Model** | **TIM NetPCQ**
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Ambient temperature | 0 ... 50 °C
Storage temperature | -20 ... 60 °C
Relative humidity | 10 to 95 %, non-condensing
Dimensions | 165 x 65 x 130 mm (W x H x D)
Material (housing) | Anodized aluminum
Weight | 1000 g
Vibration | IEC-2-6: 3G, 11 - 200Hz, each axis
Shock | IEC-2-27: 50G, 11 ms, each axis
Operating system | Windows 10 IOT
Power supply | 12 - 24 V DC
Power consumption | approx. 9.5 W without TIM [0.76 A with 12 V]
Cooling | passive cooling (fanless)
Processor | Intel® Atom™ J1900 @ 4x2.4 GHz
Hard drive | integrated 64 GB SSD
RAM | 2 GB DDR3 RAM 800 MHz
Connections | 1 GigE, 2 x RS232 / 485, 3 x USB 2.0, 1 x USB 3.0, VGA
Additional functions | 1x status LED
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