



More Precision

thermo**IMAGER** 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 160S), up to 80 Hz (TIM QVGA), up to 32 Hz (TIM VGA) 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



thermoIMAGER TIM NetPCQ

| Model | TIM NetPCQ |
|----------------------|--------------------------------------------------------|
| 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



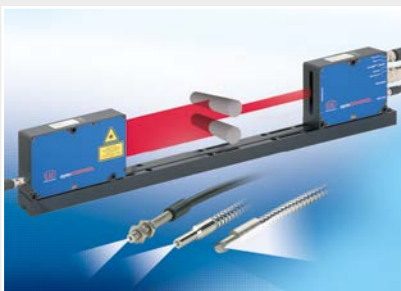
Sensors and systems for displacement, distance and position



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