

PRELIMINARY

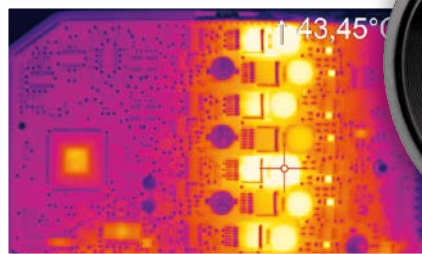
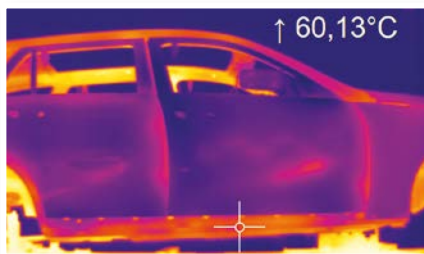


More Precision

thermoIMAGER TIM 640

The smallest measuring VGA thermal imaging camera in the world

- Thermography in VGA resolution
- 640 x 480 pixels
- Radiometric video recording with 32Hz
- Licence-free analysis software and complete SDK inclusive
- Compact design with USB interface
- Measuring range from -20°C to 900°C



Model	TIM 640
Optical resolution	640 x 480 pixel
Detector	FPA, uncooled (17µm x 17µm)
Spectral range	7.5 - 13µm
Temperature ranges	-20...100°C, 0...250°C, 150...900°C
Frame rate	32Hz
Lens (FOV)	33° x 25°
Thermal sensitivity (NETD)	75mK
System accuracy	±2°C or ±2%, whichever is greater
PC interface	USB 2.0
Process interface (PIF), standard	0-10V input, digital input (max. 24V), 0-10V output
Process interface (PIF), industrial	2x 0-10V inputs, digital input (max. 24V), 3x 0-10V outputs, 3x relay (0-30V/ 400mA), fail safe relay
Cable length (USB)	1m (Standard), 5m, 10m 5m and 10m also as high temperature USB cable (180°C)
Ambient temperature	0...50°C
Storage temperature	-40...70°C
Relative humidity	20 to 80%, non-condensing
Housing	Dimensions Protection class
Weight	320g, incl. lens
Shock ¹⁾	IEC 60068-2-27 (25g and 50g)
Vibration ¹⁾	IEC 60068-2-6 (sinus-shaped) / IEC 60068-2-64 (broadband noise)
Tripod mount	1/4-20 UNC
Power supply	USB powered
Scope of supply (standard)	TIM process camera including one selected lens, USB cable (1m), Table tripod, PIF cable (1m) incl. terminal block, Processing and analysing software, Aluminium case

¹⁾ for more details see operators manual

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