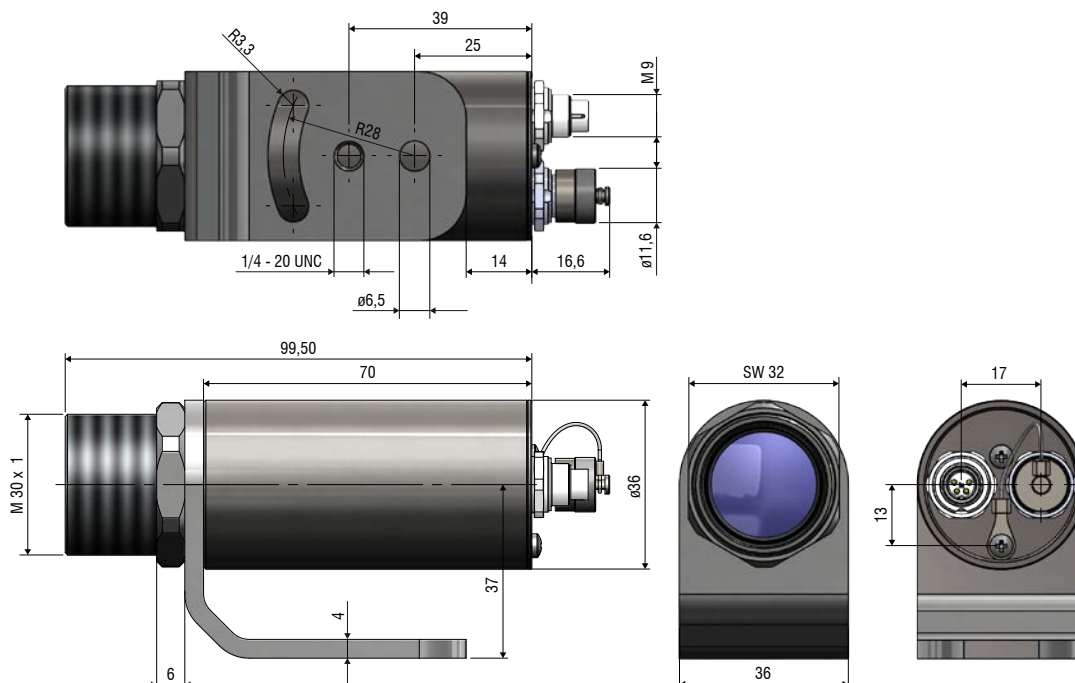




thermoIMAGER TIM 40

Model	TIM 40
Optical resolution	382 x 288 pixels
Temperature ranges	-20 °C to 100 °C, 0 °C to 250 °C, (20)150 °C to 900 °C ¹⁾
Spectral range	7.5 to 13 µm
Frame rate	switchable 80 Hz or 27 Hz
System accuracy	±2 °C or ±2 %, whichever is greater
Lenses	18° x 14° FOV / f = 20 or 29° x 22° FOV / f = 12.7 or 53° x 38° FOV / f = 7.7 or 80° x 54° FOV / f = 5.7
Focus	Manual motorized focus
Optical resolution (D:S)	390:1 (18° lens)
Thermal sensitivity (NETD)	80 mK
Detector	FPA, uncooled (17 µm x 17 µm)
Outputs/digital	USB 2.0 / optional interface USB to GigE (PoE)
Standard process interface (PIF)	0-10 V input, digital input (max. 24 V), 0-10 V output
Industry process interface (PIF)	2x 0-10 V inputs, digit. Input (max. 24 V), 3 x 0-10 V outputs, 3 x relays (0-30 V / 400 mA), fail-safe relay
Cable length (USB)	1 m (standard), 3 m, 5 m, 10 m, 20 m
Power supply	USB powered
Tripod mount	1/4-20 UNC
Protection class	IP67
Ambient temperature	0 °C to 50 °C
Storage temperature	-40 °C to 70 °C
Relative humidity	20 to 80 %, non-condensing
Vibration ²⁾	IEC 60068-2-6 (sinus-shaped) / IEC 60068-2-64 (broadband noise)
Shock ²⁾	IEC 60068-2-27 (25 g and 50 g)
Housing (size) ²⁾	ø 36 mm x 100 mm (M30x1 thread)
Weight	200 g

¹⁾ For the range (20)150 up to 900 °C, the accuracy specification applies from 150 °C

²⁾ For more information see operating instructions

Scope of supply (standard)

- TIM 40
- USB cable 1 m
- PIF cable incl. terminal block (1 m)
- Mounting angle with tripod thread, mounting nut
- TIMConnect Software