



Xi 400 T010

Spot finder IR camera
for fever screening applications

when temperature matters

optris Xi 400 T010

TECHNICAL DATA

Compact spot finder IR camera for fever screening applications



Features:

- Industrial imager with 382 x 288 pixels for exact temperature measurement of -20 °C to 100 °C
- Small sized rugged camera with motorized focus
- 80 Hz frame rate for monitoring of fast thermal processes
- Extensive ready-to-use package for an attractive price – including versatile image processing software, connection cables and calibration certificate



Technical Specifications

Optical resolution	382 x 288 pixels
Detector	FPA, uncooled (17 µm pitch)
Spectral range	8 – 14 µm
Temperature range	-20 ... 100 °C
Frame rate	80 Hz / 27 Hz
Optics (FOV)	18° x 14° (f = 20) 29° x 22° (f = 12.7) 53° x 38° (f = 7.7) 80° x 54° (f = 5.7)
Focus	Manual motor focus
Optical resolution (D:S)	390:1 (18° optics)
Thermal sensitivity (NETD)	80 mK
Accuracy	±2 °C
PC interface	USB 2.0 / optional USB to GigE (PoE) conversion
Process interface (PIF), standard	0–10 V input, digital input (max. 24 V), 0–10 V output
Cable length (USB)	1 m (standard), 3 m, 5 m, 10 m, 20 m
Ambient temperature	0 °C ... 50 °C
Enclosure (size / rating)	Ø 36 mm x 100 mm (M30x1 thread) / IP 67 (NEMA 4)
Weight (without mounting bracket)	216 - 220 g, depending on lens
Shock ¹⁾ / vibration ¹⁾	IEC 60068-2-27 (25G and 50G) / IEC 60068-2-6 (sinus shaped), IEC 60068-2-64 (broadband noise)
Power supply	via USB
Scope of supply	<ul style="list-style-type: none">• Process imager Xi• USB cable (1 m)• Standard PIF cable (1 m) incl. terminal block• Mounting bracket with tripod thread, mounting nut• Software package optris PIX Connect• Certificate of calibration (reference temperature: 35 °C)

¹⁾ For more details see operator's manual



Xi 400 T010 and PC with software PIX Connect