



Xi 400

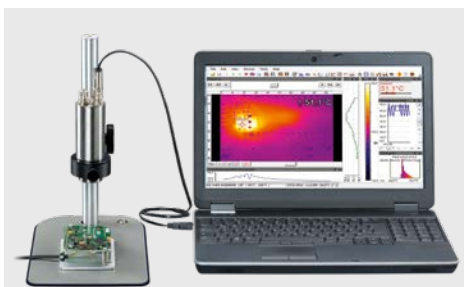
Spot finder IR camera

when temperature matters

**Compact spot finder
IR camera**

Features:

- Industrial imager with 382 x 288 pixels for exact temperature measurement of -20 °C to 900 °C (-4 °F to 1652 °F)
- Small sized rugged camera with motorized focus
- Superb distance-to-spot-size-ratio up to 390:1 with sighting capabilities
- 80 Hz frame rate for monitoring of fast thermal processes
- Extensive ready-to-use package for an affordable price – including versatile image processing software with line-scan feature and connection cables



Xi400 Microscope optics lens kit

Type	Xi 400
Optical resolution	382 x 288 pixels
Detector	FPA, uncooled (17 µm x 17 µm pitch)
Spectral range	8 – 14 µm
Temperature ranges	-20 ... 100 °C (-4 ... 212 °F), 0 ... 250 °C (32 ... 482 °F), (20 [68])150 ... 900 °C ¹⁾ (302 ... 1652 °F) ¹⁾ , 200 °C (392 °F) ... 1500 °C (2732 °F) (option)
Frame rate	80 / 27 Hz
Optics (FOV)	18° x 14° (f = 20 [0.79]), 29° x 22° (f = 12.7 [0.50]), 53° x 38° (f = 7.7 [0.30]), 80° x 54° (f = 5.7 [0.22])
Microscope optics (FOV)	18° x 14° (f = 20), smallest measuring spot (IFOV): 80 µm
Focus	Manual motor focus
Optical resolution (D:S)	390:1 (18° optics)
Thermal sensitivity (NETD)	80 mK
Accuracy	±2 °C or ±2 % (±3.6 °F or ±2 %), whichever is greater
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
Process interface (PIF), industrial	2 x 0–10 V inputs, digital input (max. 24 V), 3 x 0/4 –20 V outputs, 3 x relay (0–30 V / 400 mA), fail-safe relay
Cable length (USB)	1 m (3.3 ft) (standard), 3 m (9.8 ft), 5 m (16.4 ft), 10 m (32.8 ft), 20 m (65.6 ft)
Ambient temperature	0 °C to 50 °C (32 °F to 122 °F)
Enclosure (size / rating)	Ø 36 mm x 100 mm (Ø 1.42 in x 3.9 in) (M30x1 thread) / IP 67 (NEMA 4)
Weight (without mounting bracket)	216 - 220 g, (7.6 - 7.7 oz) depending on lens
Shock ²⁾ / Vibration ²⁾	IEC 60068-2-27 (25 G and 50 G); IEC 60068-2-6 (sinus shaped); IEC 60068-2-64 (broadband noise)
Power supply	USB
Scope of supply	<ul style="list-style-type: none"> • Process imager Xi • USB cable (1 m [3.3 ft]) • Standard PIF cable (1 m) incl. terminal block • Mounting bracket with nut • Software package optris PIX Connect

¹⁾ Accuracy statement effective from 150 °C (302 °F)

²⁾ For more details see operator's manual