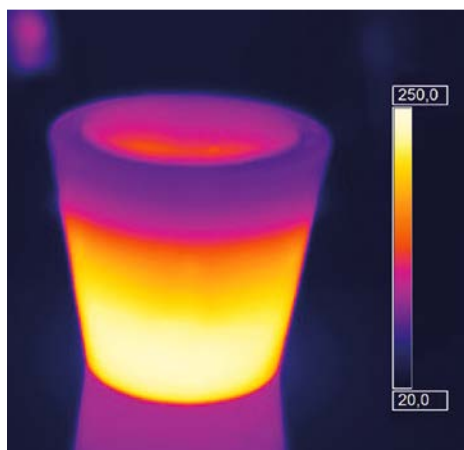
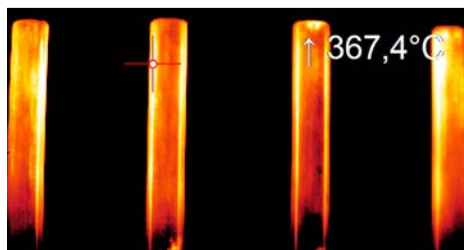
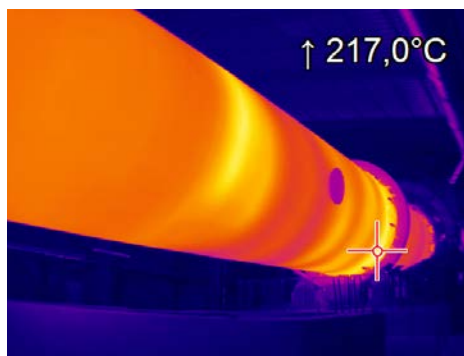


Compact VGA spot finder IR camera



Features:

- Industrial imager with 640 x 480 pixels for exact temperature measurement of -4 °F ... 1652 °F
- Small sized rugged camera with motorized focus
- 32 Hz frame rate for monitoring of fast thermal processes
- Extensive ready-to-use package for an attractive price – including versatile image processing software with line scan feature and connection cables



Technical Specifications

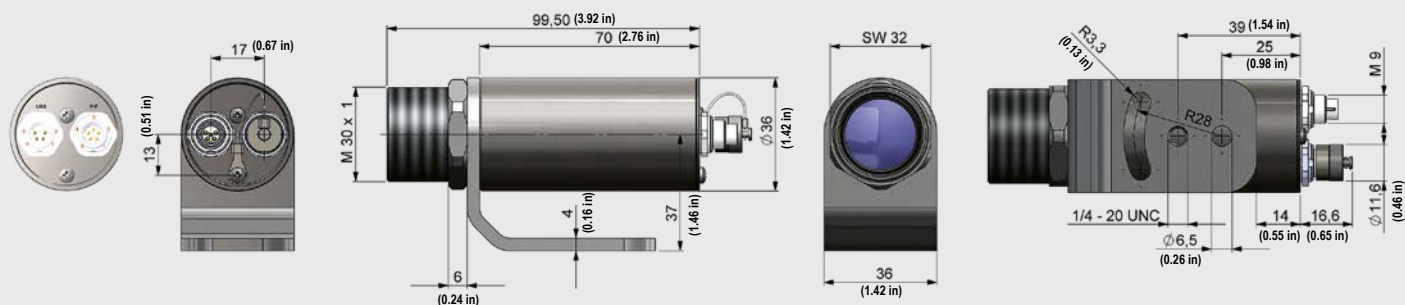
Optical resolution	640 x 480 pixels
Detector	FPA, uncooled (12 µm pitch)
Spectral range	8 – 14 µm
Temperature ranges	-4 ... 212 °F; 32 ... 482 °F; (68) 302 ... 1652 °F ¹⁾
Frame rate	32 Hz
Optics (FOV)	22° x 17° (f = 20), 36° x 26° (f = 12.7), 65° x 45° (f = 7.7)
Focus	Motorized focus
Thermal sensitivity (NETD) ²⁾	80 mK
Accuracy (at T _{Amb} = 23 ± 5°C) [73.4 ± 9 °F]	±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), 3x 0/4–20 mA outputs, 3 x relay (0–30 V / 400 mA), fail-safe relay
Cable length (USB)	1 m (3.3 ft) (standard), 5 m (16.4 ft), 10 m (32.8 ft), 20 m (65.6 ft)
Ambient temperature	0 °C ... 60 °C 32 °F... 140 °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 / Vibration	IEC 60068-2-27 (25G and 50G) / IEC 60068-2-6 (sinus shaped), IEC 60068-2-64 (broadband noise)
Power supply	USB
Scope of supply	• Process imager Xi 640 • USB cable (1 m 3.3 ft) • Standard PIF cable (1 m 3.3 ft) incl. terminal block • Mounting bracket with tripod thread, mounting nut • Software package optris PIX Connect

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

²⁾ For more details see operator's manual

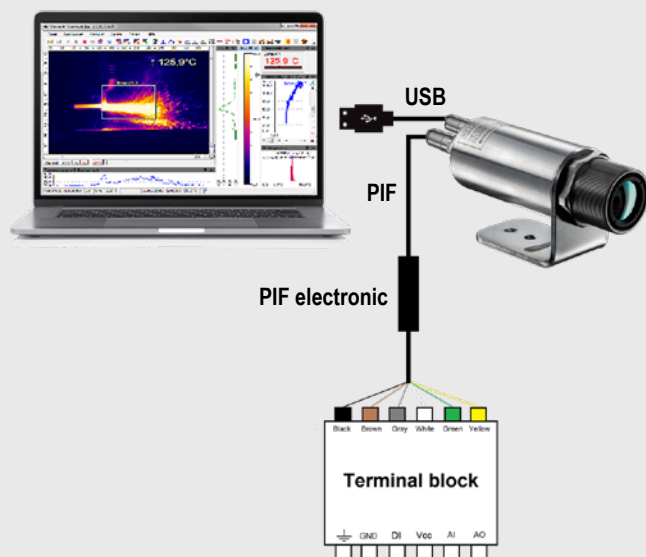
optris Xi 640

Dimensions in mm (in)

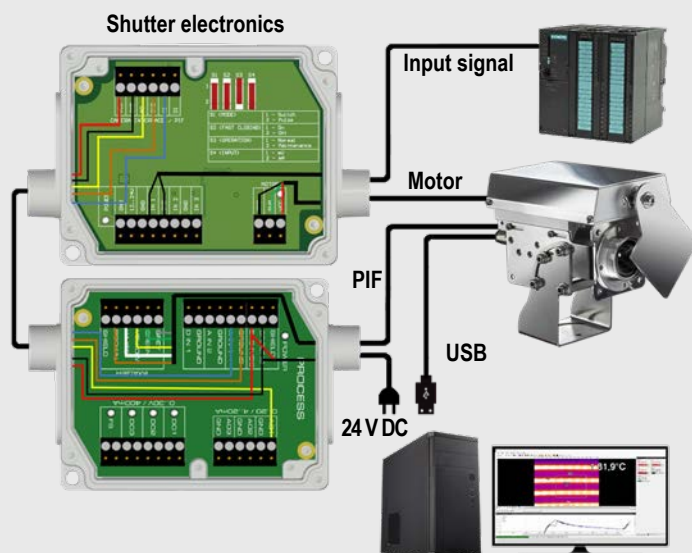


Electrical Installation

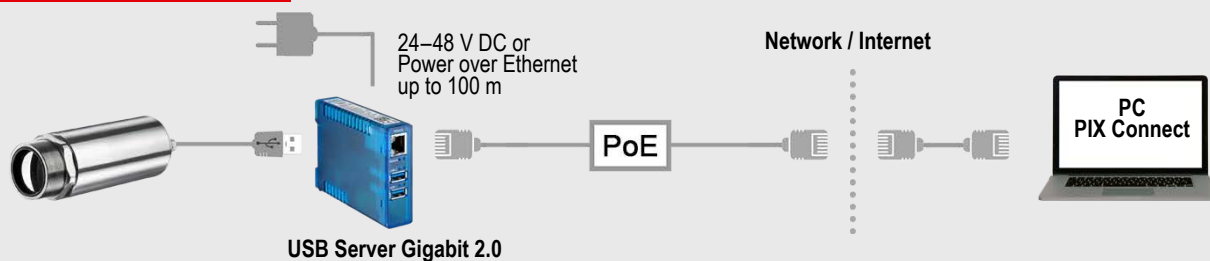
Xi 640 with PIX Connect software + Standard PIF



Xi 640 with industrial PIF and shutter, controlled by a PLC



Xi 640 with USB Server Gigabit 2.0



Accessories

ACXIAPL (Air purge unit) + ACXIAPLAB (Mounting bracket)



ACXIMW (Water cooled housing)



ACXISCBxx* (Shutter) + ACXIAPLAB (Mounting bracket)



*) xx = for different cable lengths