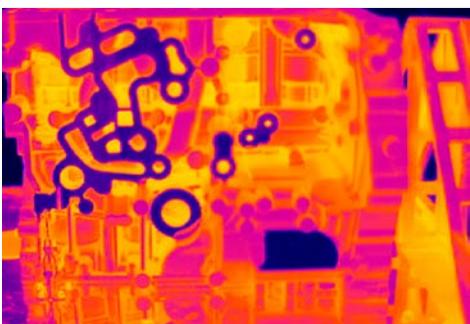
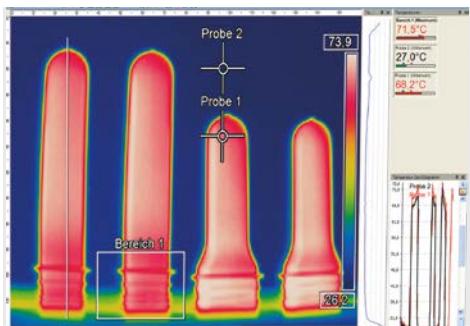
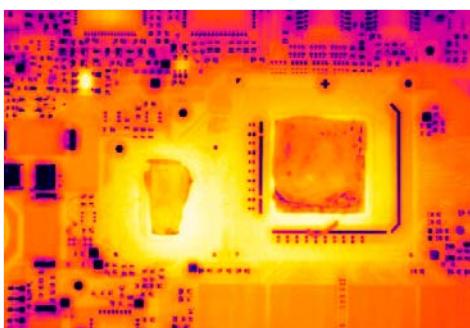


Compact high resolution infrared camera



For further information as well als the product configurator, please visit
[www.optris.global/
thermal-imager-optris-pi400-pi450](http://www.optris.global/thermal-imager-optris-pi400-pi450)

Features:

- Smallest camera in its class 46 x 56 x 76 - 100 mm
- Interchangeable lenses and industrial accessories
- Switchable Framerate 80Hz/27Hz
- License-free analysis software and full SDK included

Technical specifications

Optical resolution	382 x 288 pixels
Detector	FPA, uncooled (25 µm x 25 µm)
Spectral range	8 - 14 µm
Temperature range	-20 ... 100 °C, 0 ... 250 °C, (20) 150 ... 900 °C ¹⁾ , optional temperature range: 200 ... 1500 °C ²⁾
Frame rate	Switchable 27Hz/80Hz
Optik (FOV)	13° x 10° / f = 41 mm or 29° x 22° / f = 18.7 mm or 53° x 40° / f = 10.5 mm or 80° x 56° / f = 7.7 mm
Thermal sensitivity (NETD)	75 mK with 29° x 22° FOV / F = 0.8 75 mK with 53° x 40° FOV / F = 0.8 75 mK with 80° x 56° FOV / F = 0.8 0.1 K with 13° x 10° FOV / F = 1.0
Accuracy	±2 °C or ±2 %, whichever is greater
PC interfaces	USB 2.0 / optional USB to GigE (PoE) interface
Standard process interface (PIF)	0 – 10 V input, digital input (max. 24 V), 0 – 10 V output
Industrial process interface (PIF)	2x 0 – 10 V input, digital input (max. 24 V), 3x 0 – 10 V output, 3x relays (0–30 V/ 400 mA), fail-safe relay
Cable length (USB)	1 m (standard), 5 m, 10 m, 20 m 5 m and 10 m also as high temperature USB cable (180 or 250 °C)
Ambient temperature	0 ... 50 °C
Storage temperature	-40 ... 70 °C
Relative humidity	20 – 80 %, non condensing
Enclosure (size / protection)	46 x 56 x 76 - 100 mm (depending on lens + focus position) / IP 67 (NEMA 4)
Weight	320 g, incl. lens
Shock / Vibration ³⁾	IEC 60068-2
Tripod mount	1/4 – 20 UNC
Power supply	via USB
Scope of supply (standard)	<ul style="list-style-type: none"> • USB camera, incl. 1 lens • USB cable (1 m) • Table tripod • PIF cable, incl. terminal block (1 m), • Software package optris PIX Connect, • Aluminum case

¹⁾ Accuracy effective starting at 150 °C

²⁾ Not available for 80° optics

³⁾ For further details see operator's manual

optris® PI 400

