

Datenblatt
Infrarotkamera Optris Xi 400
OPTXI40LT T010



Bezeichnung	OPTXI40LT T010
Modell	Infrarotkamera Optris Xi 400
Baureihe IR-Kameras	Compact Line Xi
Optische Auflösung	382 x 288 Pixel
Temperaturmessbereich	-20°C ... 100°C
Spektralbereich	8 - 14 µm
Bildwiederholfrequenz	80 Hz / 27 Hz
Optische Auflösung (D:S)	390 : 1 (18° Optik)
Optiken (FOV)	18° x 14° / f = 20 mm 29° x 22° / f = 12,7 mm 53° x 38° / f = 7,7 mm 80° x 54° / f = 5,7 mm
Thermische Empfindlichkeit (NETD)	50 mK
Systemgenauigkeit	±2°C oder ±2% bei Umgebungstemperatur 23±5°C
Standard Prozess Interface (PIF)	1x 0-10 V Eingang 1x digitaler Eingang (max. 24 V) 1x 0-10 V Ausgang



Industrielles Prozess Interface (PIF) optional	2x 0-10 V Eingänge 1x digitaler Eingang (max. 24 V) 3x 0/4-20 mA Ausgänge 3x Relais (0-30 V / 400 mA) 1x Fail-Safe-Relais
Schnittstelle	USB 2.0, optional USB zu GigE (PoE) Interface
Spannungsversorgung	via USB
Schutzgrad	IP67
Umgebungstemperatur	0°C ... 50°C
Gewicht	200 g
Abmessungen	Ø 36 x 100 mm (M30x1 Gewinde)
Software	optris PIX Connect inklusive
Anwendung	Fieberdetektion / Fiebererkennung
Bedienungsanleitung	Bedienungsanleitung Optris Xi Serie

Compact spot finder IR camera for fever screening applications



Xi 400 T010 and PC with software PIX Connect

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