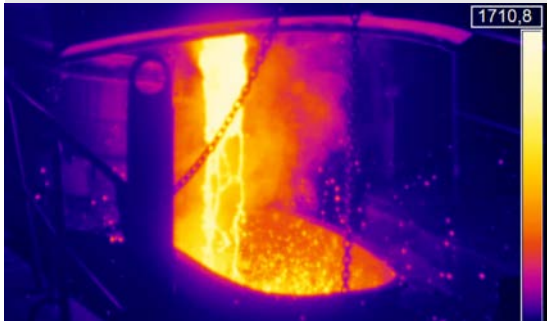
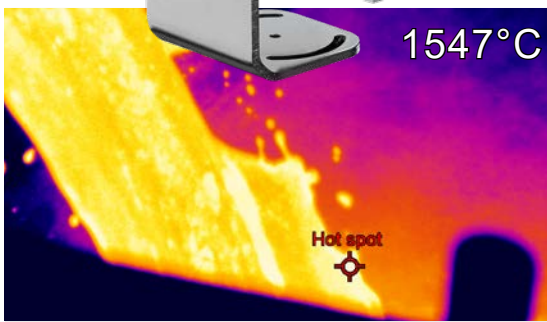


Industrial Package for Thermal Monitoring under harsh conditions



Features:

- Dedicated product package for reliable 24/7 operation under harsh industrial conditions
- Water cooling, Laminar air purge and Shutter system included
- Usable in ambient temperatures up to 250 °C
- Process interface for easy integration in control systems
- Environmental rating IP67
- IR camera with 396 x 300 px with Ethernet (PoE) interface
- Pre-assembled and ready to use



Scope of Supply

Process imager Xi 1M
Ethernet / PoE cable (1 m)
USB cable (1m)
Cable for output/input (1 m) incl. terminal block
Mounting bracket with nut
Software package optris PIX Connect
Quick Start Guide

Specifications Industrial Package

Environmental rating	IP 67
Operating Temperature range	0 °C ... 250 °C (with water cooling)
Water connection	ID 6 mm, AD 8 mm (1/8" for hose)
Flow rate / pressure (water)	1-5 l/min at max. 8 bar
Size	220 mm x 120 mm x 95 mm
Weight	2800 g
Material	Stainless steel
Process Interface (PIF)	Standard or Industrial Process Interface, stackable up to 3 PIFs
Cable length	5 m or 10 m high temperature (250 °C max.) cables

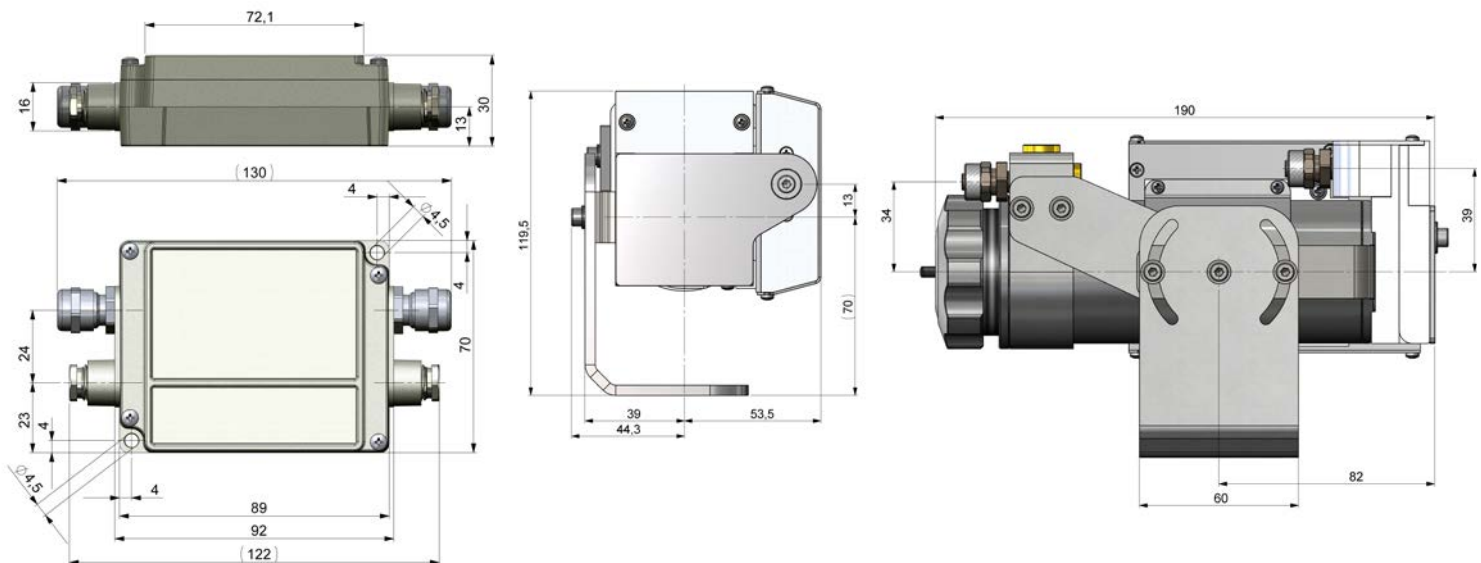
Specifications IR camera Xi 1M

Optical resolution	396 x 300 pixels
Spectral range	0.85 µm – 1.1 µm
Frame rate	Full resolution: 20 Hz (Ethernet) Subframe mode: 20 Hz (USB, autonomous) Linescan: 500 Hz (Ethernet, autonomous)
Temperature range	525 °C ... 1800 °C 450 °C ... 1800 °C
Accuracy	For object temperature < 1400 °C: ±1 % of reading For object temperature < 1600 °C: ±2 % of reading
Thermal Sensitivity NETD	< 2 K (< 900 °C) / < 4 K (< 1400 °C)
Optics (FOV) / D:S	28° x 21° (f = 12 mm) / 195:1 14° x 10° (f = 25 mm) / 401:1 7° x 5° (f = 50 mm) SF / 806:1 7° x 5° (f = 50 mm) CF / 830:1
Interface	Ethernet (100 Mbit/s), (USB 2.0)
Supported Protocols	USB, Ethernet (Static), RS485, Serial Communication Optional: EtherNet/IP, Profinet, Modbus TCP
Size	Ø 36 mm x 112-127 mm (depending on lens), thread: M30x1
Material	Stainless steel
Power Supply	Power over Ethernet or 8-30 VDC
Power Consumption	max. 2.5 W

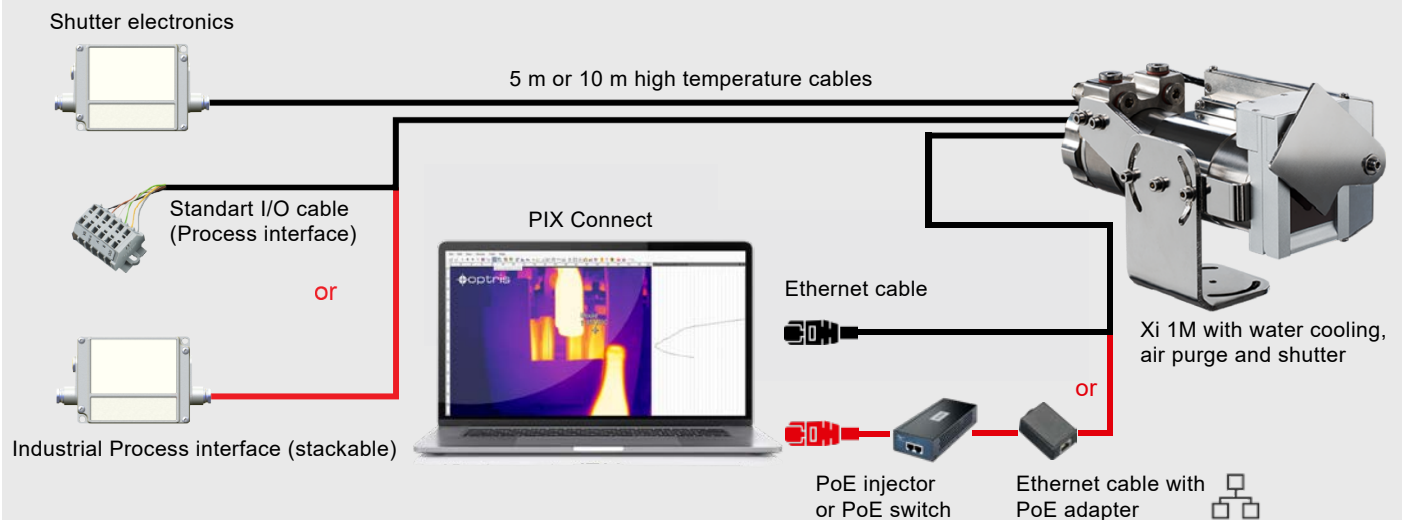
optris Xi 1M IP

TECHNICAL DATA

Dimensions in mm



Components and Variations



For more informations:
<https://optris.com/products/infrared-application-packages/industrial-packages/xi-1m-ip/>



Scope of Supply



How the package will be delivered

