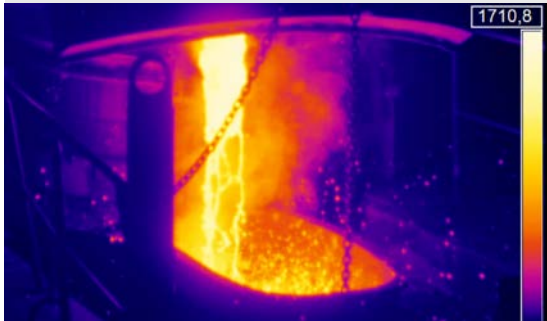
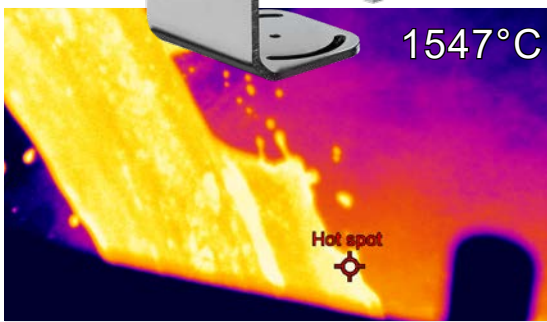


Industrial Package for Thermal Monitoring under harsh conditions



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



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

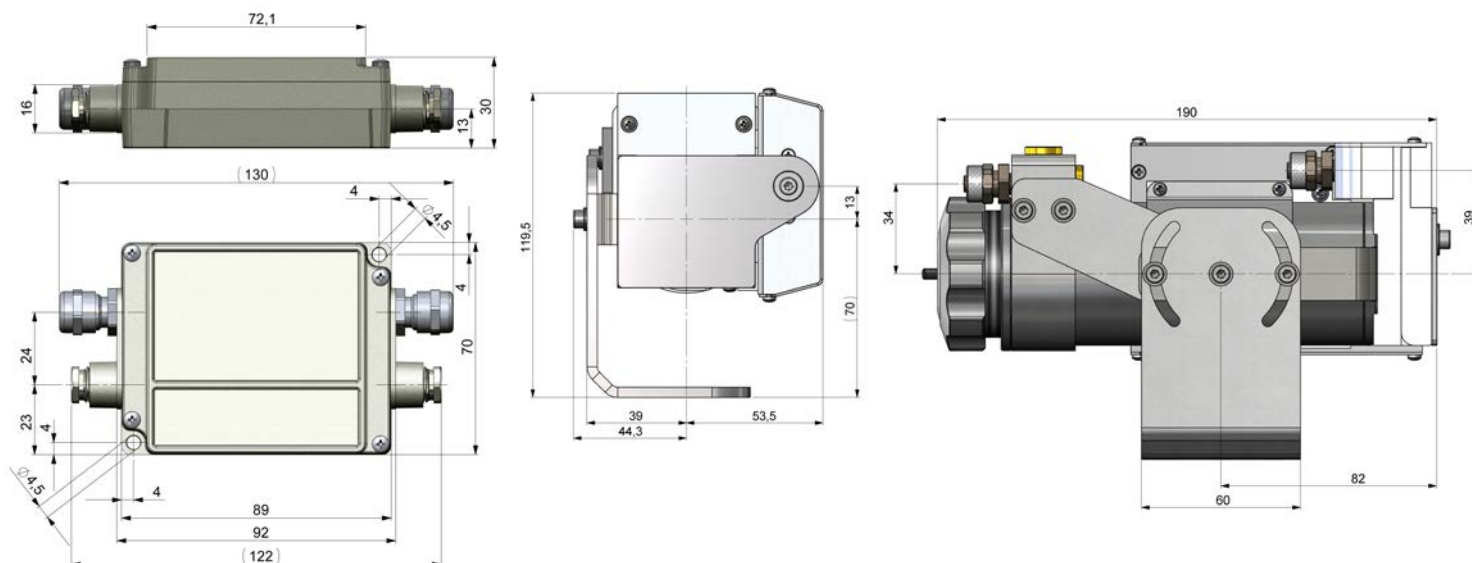
Scope of Supply

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

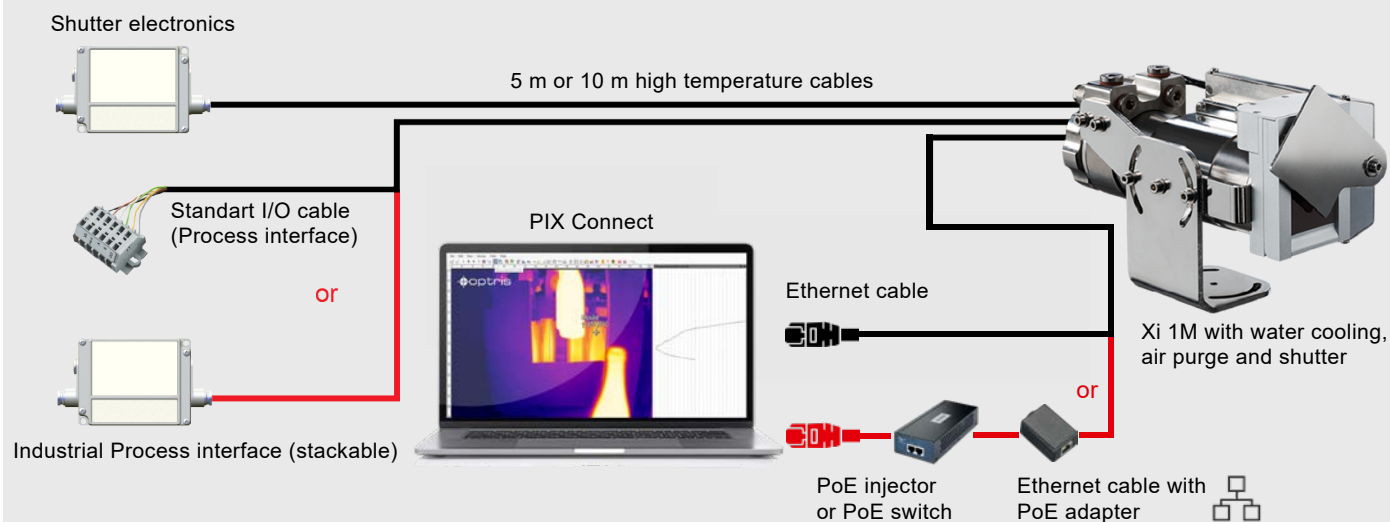
optris Xi 1M IP

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

