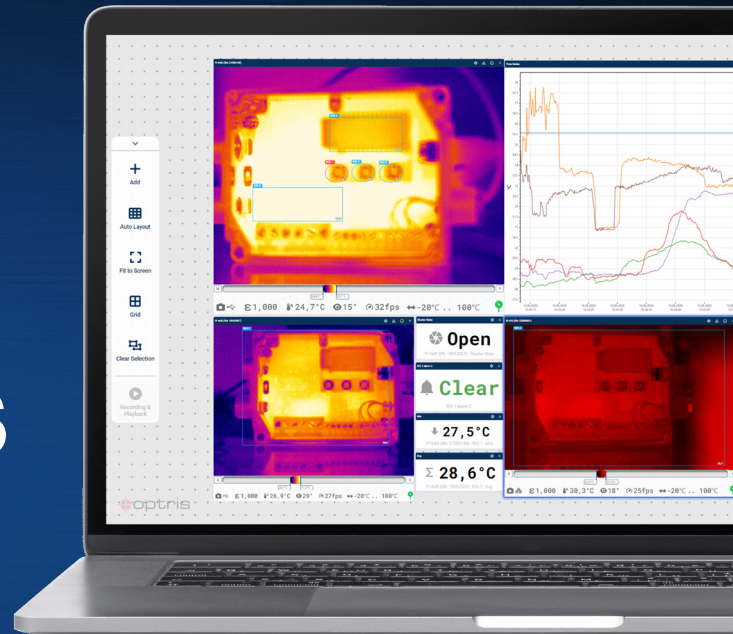


Optris Connect



VS



PIX Connect

Comparison Sheet



Differences of the two software solutions
for Optris PI and Xi infrared cameras

PIX Connect is the full process and analysis software providing real-time thermal monitoring, recording and analysis. The software includes advanced analysis tools and progressive measurement features like line scanning, camera merging and event grabber.

Users can customize dashboards, configure camera settings, define alarms, and record radiometric data for detailed post-process evaluation. This makes **PIX Connect** a powerful solution for industrial process monitoring, research, quality assurance, and predictive maintenance applications.

The completely new developed **Optris Connect** is based on the OTC SDK and simplifies thermal monitoring, visualization, and configuration. With its state of the art user interface and unified workspace, operators can quickly set up cameras and view live thermal images.

Optris Connect combines simplicity, flexibility, and modern technology into a single software platform. Whether monitoring one camera or an entire thermal imaging network, **Optris Connect** provides the tools needed to visualize, analyze, and optimize thermal processes with ease.

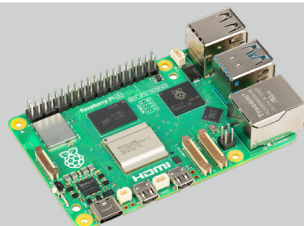
This comparison sheet highlights the differences between the software solutions which are both fully compatible with the complete product family of Optris PI and Xi infrared cameras.

Features and advantages of the new Optris Connect

- ✓ **Intuitive software** for fast setup and operation
- ✓ **Modern design with simple icons for main features**
- ✓ **Optional dark mode**
- ✓ **Easy visualization of thermal images** and temperature data
- ✓ **Zoom-in with two fingers or mouse wheel**
- ✓ **Streamlined user experience** ideal for both, new and experienced users of Optris infrared cameras
- ✓ **Single infinite workspace** for cameras, temperature-time diagrams, alarms, and controls
- ✓ **Multi camera connections and view in one software instance** – everything is managed in one window
- ✓ **Easy setup of multiple measurement fields, diagrams and readouts**
- ✓ **Simplified camera and PIF setup**
- ✓ **Runs on modern low power CPUs like the 64-bit ARM Cortex-A76 (e.g. Raspberry PI5)**
- ✓ **Part of the Optris AI software family** with MCP server connectivity
- ✓ **Multi-platform capable** – runs under Windows and Linux operating systems

	Optris Connect	PIX Connect
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HARDWARE



Raspberry Pi 5 single-board computer

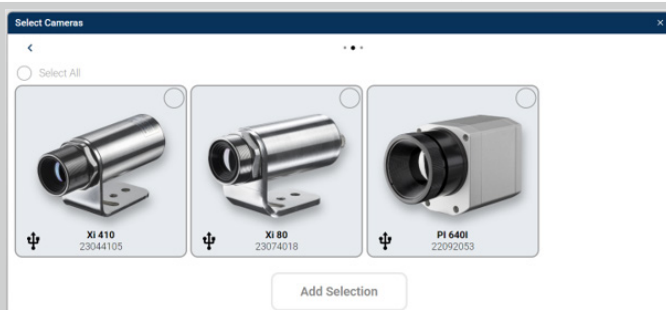
Recommended hardware	Intel Core 6th Gen./ 8 GB RAM	2 GHz CPU/ 2 GB RAM
Support of low power CPUs (e.g. ARM Cortex-A76)	■ (e.g. Raspberry Pi 5)	-

OPERATING SYSTEMS



Windows	Windows 11	Windows 11
Linux	■ (Debian / Ubuntu)	-

CAMERA SETTINGS



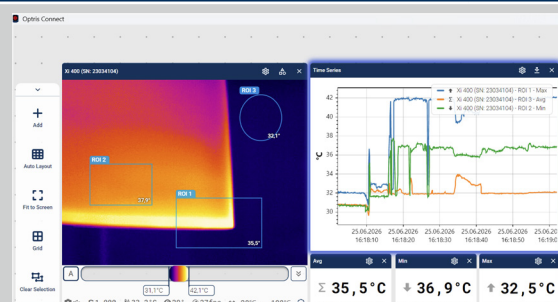
Optris Connect: Connecting several cameras

Easy camera connection (single device)	■	■
Easy connection of multiple cameras (USB, ETH or mixed)	■	- (manual setup & several instances)
IP address settings (Xi ETH series)	■ (guided network configuration)	■ (IP address change only via USB)
Motor focus (Xi)	■	■
Changing temperature range	■	■
Changing framerate / formats	■	■
Shutter activation	■	■
Synchronous shutter	■	■ (via PIF only)
Advanced shutter settings	■	■
Reducing display frame rate	-	■
Setup of autonomous features (Xi ETH only)	-	■

Optris Connect

PIX Connect

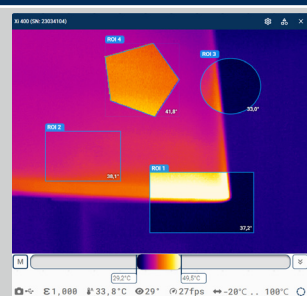
GENERAL



Optris Connect: Readouts and T/t diagram

Temperature displays/ readouts	■	■
Temperature-time diagram	■ (with realtime stamp)	■
Save T/t diagram	■	■
Temperature profiles	-	■
Save & load software layouts	-	■
Software updates	■ (manual/ notification/ automatic)	■ (manual only)

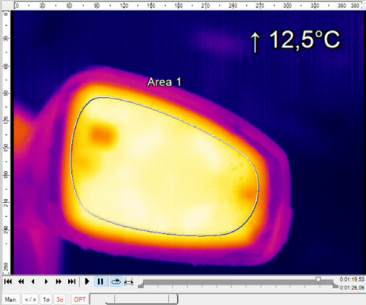
IR IMAGE

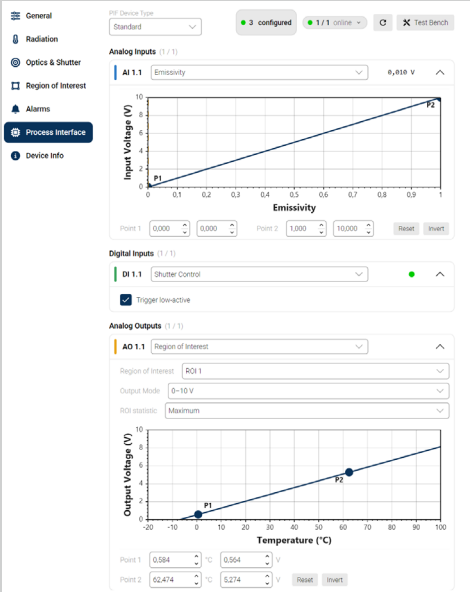


Optris Connect: Different ROIs with individual emissivity settings

Different color palettes	■	■
Color Palette Scaling	■	■
Extended measuring colors	-	■
Positioning / Arranging of IR images	■ (infinite workspace)	-
Free arrangement of measurement areas (ROI)	■	■
ROI types: Spot / Rectangle / Ellipse / Polygone / Curve	- / ■ / ■ / ■ / -	■ / ■ / ■ / ■ / ■
ROI functions: Max / Min / AVG / Distribution / Area within limits	■ / ■ / ■ / - / -	■ / ■ / ■ / ■ / ■
Calculated Area / Super Area	- / -	■ / ■
Hot and Cold spots (with exclude areas)	-	■
Full Screen	■	■
Switching between °C and °F	-	■
Histogram	-	■
Zoom-In (two fingers or mouse-wheel)	■	-
Image zoom/ rotation/ mirroring	-	■

	Optris Connect	PIX Connect
IR IMAGE		
Emissivity/Transmissivity setup	■	■
Individual emissivity setting for ROIs	■	■
Ambient Temperature Compensation	-	■
Radial Distortion Correction	■	■

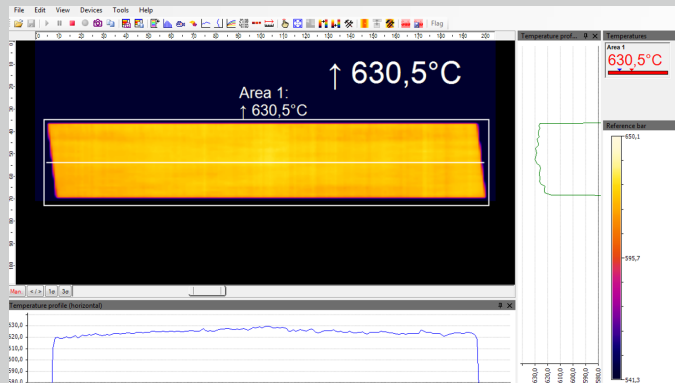
RECORDING		
		
PIX Connect: Replay of a radiometric video		
Record & Replay of radiometric videos	-	■
Recording WMV videos (Screen capturing)	-	■
Snapshot recording (TIFF)	-	■
Trigger for snapshot or recording	-	■

IO SETTINGS		
		
Optris Connect: Process interface setup		
Alarm on ROI	■	■
Alarm on internal temperature	■	■
Alarm on chip temperature	■	■
Alarm on PIF input	■	■
Analog / Digital IN & OUT	■	■
COM Port communication	-	■

Optris Connect

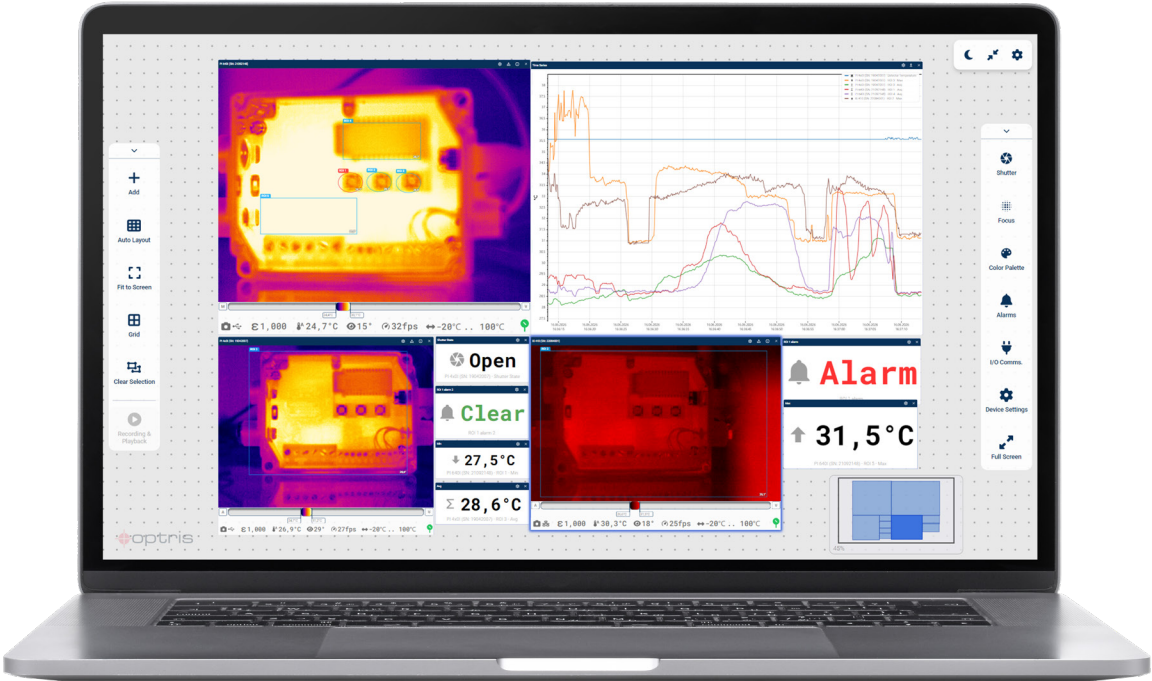
PIX Connect

ADVANCED FEATURES



PIX Connect: Linescan mode

Multi imager connections in one instance	■	-
Merging of two or more imagers	-	■ (several instances necessary)
Linescanning	-	■
Event Grabber	-	■
3D Chart	-	■
Image subtraction	-	■
Referencing	-	■
Relative extreme values (ignore pixels function)	-	■
Language Tool	■	■
Tablet User Mode	-	■



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when temperature matters

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