



Xi 410 LT Series Infrared Thermal Cameras - Software

PIX Connect Software

Optris PIX Connect is a free Windows software package for the Xi 410 LT camera that serves as the central hub for camera configuration, real-time thermal image display, data analysis, and process integration. Once installed, it delivers a live thermal image from the camera directly to your PC screen, with every pixel displaying its own temperature value and a fully customizable layout to show exactly the information you need at a glance. Multiple measurement areas can be defined within the image — rectangles, lines, or custom shapes — each independently reporting values like average, hot spot, or cold spot temperatures in real time. A built-in temperature time diagram tracks how temperatures in any defined area trend over time, making it easy to spot gradual changes or catch sudden spikes before

they become a problem. The software also handles full camera setup including emissivity, ambient temperature compensation, temperature range selection, and motorized focus adjustment, so everything can be configured from one place without additional tools. For facilities running multiple cameras, PIX Connect supports simultaneous operation of several imagers, with synchronized flag control and frame synchronization available across units. Data recording is equally flexible, with options for standard video, fully radiometric video, and snapshot capture, all of which can be replayed and analyzed after the fact. A built-in web server allows the live thermal image and temperature data to be accessed remotely over a network.

Features

- Real-time thermal image display with fully adjustable color palettes, manual or automatic temperature scaling, and desktop, touch, and tablet display modes
- Configurable measurement areas with independent reporting of average, minimum, maximum, hot spot, and cold spot temperatures per zone
- Temperature time diagram and histogram for tracking temperature trends and statistical distribution across the image over time
- Radiometric video and snapshot recording with post-processing and replay tools for detailed after-the-fact analysis
- Complete camera configuration including emissivity, transmissivity, ambient temperature, temperature range, and motorized focus — all from a single software interface
- Built-in web server for remote monitoring of live thermal data over a network
- Autonomous operation setup for the Xi 410 LT, allowing the camera to run independently without a connected PC once configured

Optris Xi 410 LT Series Infrared Thermal Camera Software			
Part No.	Description	Manufacturer Manual	Price
<u>OPTRIS-PIX-CONNECT</u>	Optris Windows configuration and monitoring software, free download only. For use with Optris Xi 410 LT series thermal cameras.	PDF	Free Download

For additional details and wiring information see *Manufacturer's Manual*.

How it works and what it does

PIX Connect is the software that acts as the brain between the Xi 410 LT camera and your computer. When you plug the camera in and open the software, it pulls the live thermal image from the camera and displays it on your screen in real time — every pixel glowing with its own color based on temperature, hot areas showing up bright and cool areas dark.

From there, you can draw boxes or lines anywhere on that image and tell the software to watch those specific spots. It will continuously track the temperature in each of those areas and show you the numbers live on screen, so if something starts getting too hot you can see it happening as it occurs rather than finding out after the fact.

The software also lets you set alarms, so if a temperature climbs above or drops below a threshold you set, it flags it immediately. You can record everything as a video and go back and review it later, which is useful for troubleshooting or documenting a process. The built-in graphs show you how temperatures have changed over time, so patterns and trends are easy to spot.

On the setup side, it is where you configure all the camera settings — things like emissivity, temperature range, and focus — so you only need one program to both run and adjust the camera for autonomous operation. A free download link means you never need to hunt down a disc to install it.