Xenics
Infrared Solutions

Xeneth 2.6

Xenics Graphical User Interface and SDK

New versatile interface designed with the user in mind

Real-time thermal image recording

Powerful temperature analysis: spots, areas and lines

LabVIEW SDK supported

New Graphical User Interface

Xeneth 2.6 handles all Xenics infrared cameras independent of wavelength, interface, resolution and pixel size. The default view of the GUI shows the key control parameters. Upon changing the view from *beginner,* over *expert* to *guru*, extra features become visible and adjustable.

To extract all useful information from your infrared images an entire set of (post-) processing tools is available to optimize both live and recorded images. Full radiometric analysis can be made taking into account object, environmental and optic characteristics.

Xeneth 2.6 allows you to export recorded images to common image formats. These can be viewed and analyzed in 3rd party software. Another new feature is the extended calibration wizard which lets you easily optimize image correction calibration data when for instance new lenses are used.

Strong connection with the SDK

The link between GUI and SDK is stronger than ever. By providing tooltips with programming names for all camera features, developers will have complete access to all needed information to control the camera. Moreover, the existing documentation is extended with additional guidelines, samples and information on image filters.

Versatile SDK

The Xeneth 2.6 SDK provides a C, C++ and C# interface for all Xenics infrared cameras. It offers an extended set of basic application examples next to all details and documents required by developers. Furthermore the interface is extended, but it remains backwards compatible with earlier Xeneth versions.
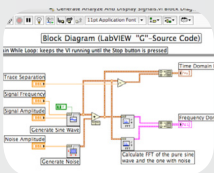
The SDK is tested on all recent versions of Windows - starting from Windows XP. For C and C++, binaries were built for Ubuntu and Fedora Linux distributions. A LabVIEW SDK is also optionally available.
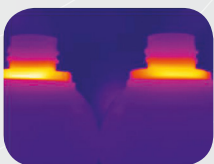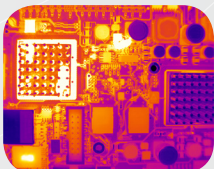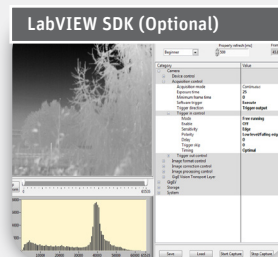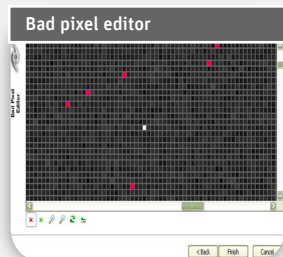
Features

- Alarms
- Image live view
- Image histogram
- Recorder and player
- Bad pixel replacement
- Black hot/ white hot spots
- Store & analyze digital pictures/movies

- Image processing
- Selections and statistics
- Extended calibration wizard
- Line profiles, spot meters, time profiles
- False color mode with various color palettes
- Easy control of all Xenics cameras

- TrueNUC for continuous real-time image correction
- Thermography (radiometric calibrated camera required)
- Xeneth Software Development Kit (SDK)
- Xeneth LabVIEW SDK (optional)

Designed for infrared analysis and reporting

Live offset and gain correction

Bad pixel editor

LabVIEW SDK (Optional)
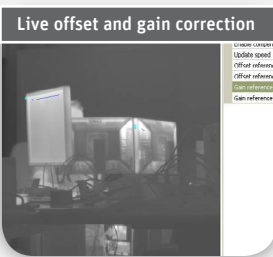
> Take a discovery tour with our Xeneth software to learn what you can do more

Specifications

Software features	Xeneth	Xeneth SDK	Xeneth LabVIEW SDK
Camera			
Viewer (live image)	√	-	√
Save single image	-	√	√
Access to settings	√	√	√
Analysis			
Selections	√	-	-
Graph, Time graph, Histogram	√	-	-
Movies			
Recording	√	-	-
Viewing	√	-	-
Export to images	√	-	-
Images			
Save images	√	√	-
Load images	√	-	-
Image processing			
Auto level and gain	√	√	√
Histogram equalization	√	√	√
Noise reduction	√	√	√
Sharpening	√	√	√
Pseudo colors	√	√	√
Load correction data	√	√	√
Thermography			
Temperature conversion	√	√	√
Correction for radiometric conditions	√	√	√
Calibration wizard			
Make non uniformity correction	√	-	-
Edit bad pixel map	√	-	-
Recalibrate offset	√	-	-

www.xenics.com
www.sinfrared.com

Xenics Headquarters
Ambachtenlaan 44, BE-3001 Leuven, Belgium
T +32 16 38 99 00 • sales@xenics.com

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