”Optilia OptiPix is an Image View, Capture, Measurement and Archival software with focus on user friendliness. OptiPix together with Optilia High Definition Cameras or Video Microscopes is a powerful, easy-to-use and cost effective tool for research, engineering and quality control.”

Optilia OptiPix versions:

OptiPix Features	Lite	Full	Database
Archiving			
File Folder System	●	●	●
Open And Save Images with Calibration	●	●	●
Encrypted Database			●
Case managenement			●
Advanced Search and Sort Features			●
Device			
Adjust Properties	●	●	●
Adjust Resolution	●	●	●
Magnifications, predefined as well as user defined.	●	●	●
Calibrate magnification	●	●	●
View			
Freeze Image	●	●	●
Compare image with live or up to 4 images		●	●
Items on Live Image			
Rectangle		●	●
Grid	●	●	●
Ruler		●	●
Crosshair	●	●	●
Graticule		●	●
Image manipulation			
Contrast, brightness and colour control	●	●	●
Flip image vertically/horizontally	●	●	●
Calibrated Measurements			
Calibrate user-defined magnifications	●	●	●
Distance	●	●	●
Circle		●	●
Curve length		●	●
Free-form Area, length and perimeter		●	●
Polygons		●	●
Angle		●	●
Count objects		●	●
Others			
Annotations	●	●	●
Creating PDF report			●
Flexible; customize layout, change item size and color, change fonts	●	●	●

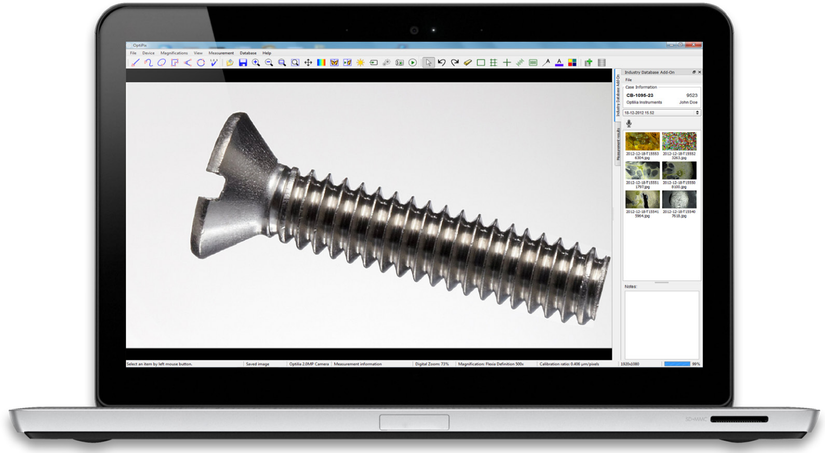
we reserve the right to modify data and specifications without prior notice.

Optilia Instruments AB
Djupdalsvägen 22, SE-192 51 Sollentuna, Sweden
Phone: +46 8 35 33 60
Email: info@optilia.eu www.optilia.eu

Reseller:

Optilia Opti*Pix*

Image View, Capture, Archiving and Measurement software



Copyright © Optilia Instruments AB
April 2012. Printed in Sweden, EN

Connect your device → Use pre-defined calibrations or define your own → Analyse on live image & use overlay functions → Archive using file system or database → Make measurements & analyse data → Document, customise, certify, report & annotate

Work Flow

Optilia OptiPix is an Image View, Capture, Measurement and Archival software with focus on user friendliness and work flow. OptiPix together with Optilia High Definition Cameras or Video Microscopes is a powerful, easy-to-use and cost effective tool for research, engineering and quality control.

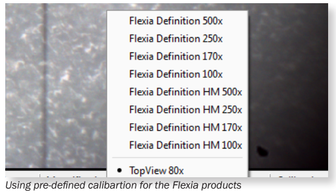
OptiPix is a Software hub for all of Optilia's different systems and it helps you keep pace with today's rapidly changing digital technology. The software will help you improve the accuracy of your results.

OptiPix is developed to strengthen Optilia's microscopes and inspections camera and take full use of the products capabilities. OptiPix can be integrated with any Optilia video microscope or inspection camera ranging from BGA systems to Capillaroscopy systems. In addition, OptiPix is compatible with DirectShow compatible frame grabbers and video devices. OptiPix is available in English, German, Spanish, French as well as Swedish.

Range of different Optilia products that are compatible with OptiPix

OptiPix offers very accurate pre-defined calibrated magnifications for all of Optilia's video microscopes as well as an easy-to-use calibration tool for calibrating your own calibrations.

The calibration will be saved together with the captured image as a text file which facilitates performing analysis and taking measurements later. Calibrations can be made for both metrics and as well as the imperial unit.



Using pre-defined calibartion for the Flexia products

Calibrate the magnification using an Optilia provided scale

OptiPix lets you define and overlay grids and rectangles on live image to make quick analysis without capturing the image. In addition, Cross-hair and rulers can also be screened on the live image. The overlay functions can be defined based on the calibration or in pixels.

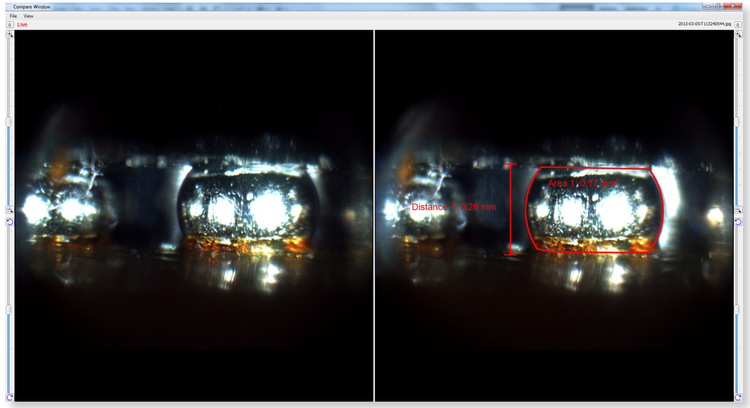
The software also provides a functionality to overlay a 1:1 transparent image on top of the live image, called graticule. Make your own graticule or order a professional customized graticule from Optilia.

OptiPix enables you to compare the live image side by side with a reference image. The reference is automatically stretch to be the same size as the live.

Images can either be stored on the Windows File System or in a database with the OptiPix Database version.

In order to organize and structure files OptiPix is built around a file tree. The file tree serves as an overall view for categorizied images and it's easy to add or move folders. All images are displayed as previews in form of a thumbnail.

For further organization and security the images can be stored in a database. Using the database, it is possible to sort and find images based on for example the operator and date.

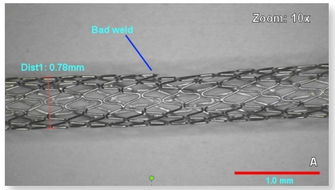


Using the BGA system to compare the live imag with a reference image, live to the left, reference image to the right

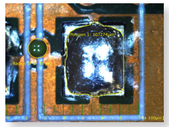
Calibrated measurements of Distance, Radius, Curve length, Area, Polygon and Angles can be made on captured images. OptiPix also provides a counting-tool. The Measurement results are saved and linked to the image automatically.

OptiPix offers tools for image improvements like color, contrast and brightness. For even more advanced tools there are additional modules that can be added.
OptiPix contains several useful functions to help the user when working with images.

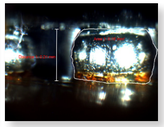
The software offers flexible zooming capabilities, compare window, undo redo function, image information presenting, direct device resolution and properties access among other useful functions.



Distance measurement, annotation and scale using OptiPix



Radius, Polygon and Ruler



Distance and Free Hand

OptiPix enables the user to annotate and comment on each image and the results can be printed, copied to excel sheets or created as an inspection report.

By using OptiPix Database the data can be collated into a detailed inspection report or as a verified certificate. The report is customizable and changes can be saved as a template to reload for later usage.

OptiPix features are fully customisable. This lets you to change color and size of items and text, reorganizing the layout depending on your preference, adding additional fields in database and many more.

Example Report generated by OptiPix Database

"OptiPix is a Software hub for all of Optilia's different systems"