



## Image View, Capture and Measurement software

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.

This software technology and image analysis tool streamlines Image Capture, Measurement and Enhancement, while improving the accuracy of your results.



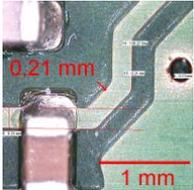
With easy integration to any DirectShow compatible microscope, frame grabber or camera, OptiPix raises the productivity and accuracy in calibrated measurement and analysis. OptiPix is used by small to large medical and industrial corporations worldwide. Software helps you keep pace with today's rapidly changing digital technology.



**High Quality, Flexible Inspection Systems**

# Powerful Measurement Tools

**OptiPix** family of software helps you keep pace with today's rapidly changing digital technology. This exceptional software technology and leading image analysis tool will streamline image capture, measurement and enhancement, while improving the accuracy of your results.



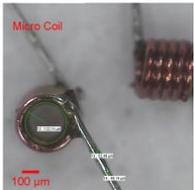
## For Industry and Medical

OptiPix offers solutions for industry, health care and research. OptiPix lets you work in a live image. The image can then easily be frozen and retrieved from the input device by pressing a key or a foot pedal. This makes work both fast and ergonomic.



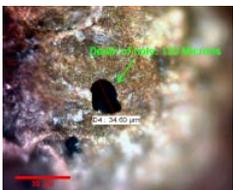
## Ease of use

With OptiPix, it is easy to capture images from DirectShow image sources. The images can be manipulated and a number of different measurements performed. Large quantities of images and measurements data can easily be organized, stored and exported.



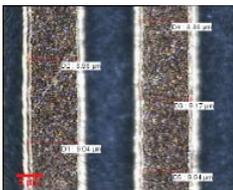
## Connecting equipment

OptiPix can be integrated with any Optilia video microscope or inspection camera. In addition, OptiPix is compatible with DirectShow compatible frame grabbers and video devices.



## Calibration tool

OptiPix offers pre-defined calibrated magnifications for Optilia video microscopes as well as an easy-to-use calibration tool.



## Measurement tools

Calibrated measurements of Distance, Radius, Curve length, Area, Polygon and Angles can be made on frozen images. Measurement results are saved and linked to the image automatically.

## Annotation tools

The user can add text, line, rectangle, grid and ruler to the image and save all together as a new image.

## Image manipulation

OptiPix offers tools for image improvements like colour, contrast and brightness. For even more advanced tools there are additional modules that can be added.

## Grid, Cross-hair and ruler in live image

OptiPix lets you define and overlay grids and rectangles on live image. In addition, Cross-hair and rulers can also be screened on the live image.

## Compare, zoom

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.



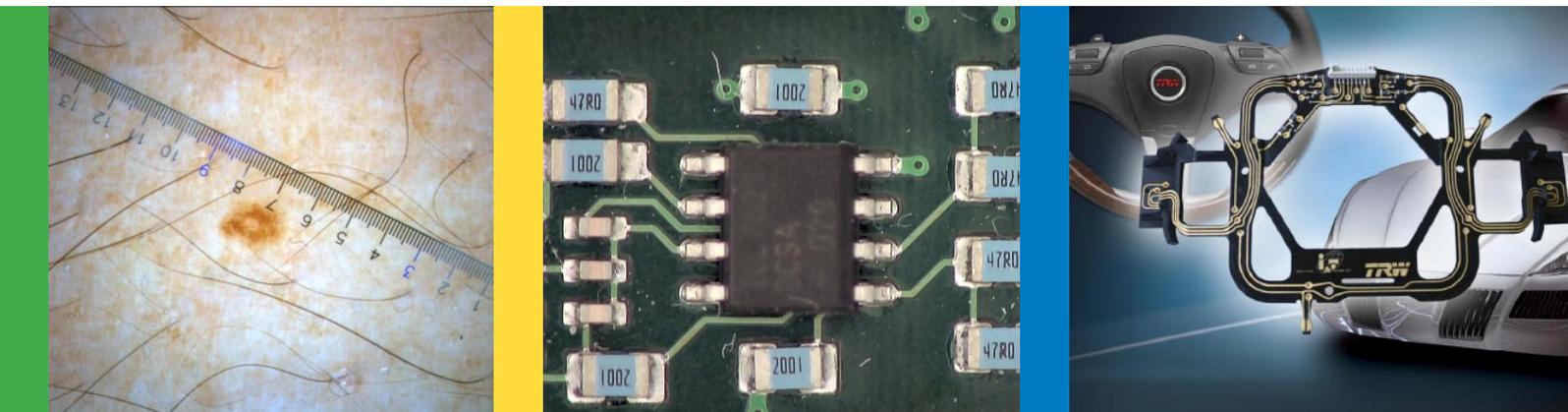
## Functions and features:

OptiPix Functions	Full	Lite
<b>File</b>		
- Open and Save external images	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Set Destination folder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Show/Hide Destination folder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Device</b>		
- Select input device	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Device properties	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Device resolution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Device magnifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- User defined magnifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Predefined magnifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Edit user-defined magnifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Calibrate magnification	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>View</b>		
- Freeze/Show live image	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Compare image	<input checked="" type="checkbox"/>	
- Zoom out/in	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Zoom to fit screen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Full image size	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Full screen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Show/hide image information	<input checked="" type="checkbox"/>	
<b>Edit</b>		
- Select items	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Do/Undo actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Grids and structures on live picture</b>		
- Show user-defined Rectangle on live picture	<input checked="" type="checkbox"/>	
- Show user-defined Grid on live picture	<input checked="" type="checkbox"/>	
- Show calibrated Ruler on live picture	<input checked="" type="checkbox"/>	
- Show a Crosshair on live picture	<input checked="" type="checkbox"/>	
<b>Annotations</b>		
- Text on image	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Text with line on image	<input checked="" type="checkbox"/>	
- Edit colour, font and size of text	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Edit colour of measurement lines	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Image manipulation</b>		
- Contrast, brightness and colour control	<input checked="" type="checkbox"/>	
- Flip image vertically/horizontally	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Calibrated Measurements</b>		
- Calibrate user-defined magnifications	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Line	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Circle	<input checked="" type="checkbox"/>	
- defined by 3 points	<input checked="" type="checkbox"/>	
- defined by radius	<input checked="" type="checkbox"/>	
- Curve length	<input checked="" type="checkbox"/>	
- Free-form Area, length and perimeter	<input checked="" type="checkbox"/>	
- Polygon	<input checked="" type="checkbox"/>	
- Angle	<input checked="" type="checkbox"/>	
- Count object	<input checked="" type="checkbox"/>	
- Save measurement results	<input checked="" type="checkbox"/>	
- Show/Hide measurement table	<input checked="" type="checkbox"/>	

# User-friendly and Intuitive

## System requirement:

Computer	Intel Core 2 Duo 2.5Ghz or higher
Recommended systems	Station: HP PRO 3120 MT, Win7P or similar Laptop: HP ProBook 6545b 15.6" WXGA or similar
Operating System	Windows XPP, Windows 7P (32 or 64 bit)
Memory	512 MB or higher of RAM Recommended: 2 GB
Hard disk	Minimum: 10 GB of Free Space Recommended: 100 GB of Free Space
Display	XGA (1024x768 at 32 Bbp) Recommended: 1920 x 1200 at 32 Bpp
Graphic card	A Direct X compatible graphics card is recommended to avoid unnecessary load on the CPU. Please avoid using integrated simple graphics cards.
Other	Two USB2.0 ports. PCI express x1



### Optilia Instruments AB

Djupdalsvägen 22  
S-192 51, Sollentuna  
Sweden  
Phone: +46 (0)8 35 33 60  
Fax: +46 (0)8 35 33 63  
E-mail: [Info@optilia.eu](mailto:Info@optilia.eu)  
Web: [www.optilia.eu](http://www.optilia.eu)

### Ordering information:

Item	Article Nr.
Optipix Full, image view, capture & measurement software	OP-006 119
Optipix Lite, image view, capture & measurement software	OP-006 120
Annual service and support for Optipix	OP-006 290
USB Image capture foot-switch for OptiPix	OP-006 369

Retailer:

