

Help Optika Vision Lite

Introduction

Optika Vision Lite is a software developed by Optika Microscopes with the main purpose to be a handy and simple tool for our costumers using our digital cameras.

It can be used for image acquisition, line measurements, indication of particularities and documentation. You can also export your measuring data or images to files to open in other programs for elaboration.

How to install and run Optika Vision Lite

Optika Vision Lite is installed by inserting the Optika Software CD and following the instructions on the screen.

Once installed, you can run Optika Vision Lite by the Start-menu by clicking Start, Programs, Optika, Optika Vision Lite.

Language settings

You can change the language by clicking *Change Language* in the Options- menu.

TWAIN image acquisition

To acquire an image, click *Select Source and Capture* in the File-menu, select your camera in the new window that opens and click *Select*. Then a TWAIN-interface, that is specific to your camera type, will open. Change the settings if necessary and click *Capture*. The still image is now transferred to your Optika Vision Lite window.

LIVE image acquisition from any camera (DirectShow Driver)

To acquire a LIVE image, click *Show live video* in the File-menu or click the Microscope Icon on the upon bar , then select your camera Driver in the new window and click *Select*. Then a LIVE -interface, that is specific to your camera type, will be opened. Change the sensor settings and the live window size if necessary , then click *Capture*. The still image is now transferred to your Optika Vision Lite window.

Optika Vision Lite also allows to save video-clip, time lapse images, and show a grid on the live view.

Using text boxes

You can use the text boxes to add information such as a title, the date and the name of the operator. To do so, click once on the white text box and insert your text. The text will be shown if you choose to print your report.

Saving and opening a report

If you want to save your report click *Save Report As* in the file-menu. Choose a location and a name for your file and click *Save*. The file will be saved with the extension .asa. The report files can only be opened from inside Optika Vision Lite by clicking *Open Report* in the file-menu.

Import Image from file

To import and visualize an image that you have already saved in the Optika Vision Lite window, click *Import Image From File* in the file-menu. Search for the file that you want to import and click *Open*.

Export data

To export the image to an image file, click *Export* in the file-menu followed by *Image to File*. Name your file, select the file path and in which format you want to save it (bmp, jpg or tiff) then click *Save*.


To save the measuring data in a .csv-file, click *Export* followed by *Measurements to Table*.

Printing

You can print your report (image, measurements, indications and textboxes) by clicking *Print* in the file-menu. To change the logo in the upper right corner of the printed page, click *Change Print Logo* in the options-menu.

Calibration


In order to measure in your image you must first calibrate your system to have the correct scale. To do this, insert a micrometric slide on the stage of your microscope. Acquire an image of the object and click *Calibrate* followed by *Add Calibration* in the tools menu. Follow the on-screen instructions.

Observe that you can change colour of the line you are drawing, for a higher background contrast, using the button . Insert the length of your line, just as a number, and then the unit (i.e. micrometers) in the following window. Name the calibration and choose a position for it in the list of calibrations by typing the number in the text box.

To remove a calibration, in the tools menu, click *Calibrate* followed by *Remove Calibration*. Insert the number of the calibration you want to remove and click *yes*.

Measurement


Before making a measurement, be sure that you are using the right calibration. Select the calibration that you wish to use among the available ones in the list beside the toolbar. To make a measurement, click and hold down the mouse button on the image on the point from where you wish to measure, drag it to your endpoint and then let go of the mouse button. The measurement will be listed on the left part of the screen.

Observe that you can change colour of the line you are drawing, for a higher background contrast, using the button .

The list holds a maximum of ten measurements. To cancel a measurement: select it in the list (the corresponding line will be highlighted on the image) and press delete.

Indicate Object

To indicate an object of special interest in your acquired image, click *Indicate Object* in the Tools menu (or the hand symbol in the toolbar). Then, click and hold down the mouse button on the image on the point that you wish to indicate and drag the cursor. When the indicator has reached the desired length, release the mouse button. A number will appear at the end of the indicator that can be used as a reference for comments.

Observe that you can change colour of the indicator, for a higher background contrast, using the button .

The list holds a maximum of ten measurements and indications. To cancel an object: select it in the list (the corresponding object will be highlighted on the image) and press delete.

In Addition

Optika Vision Lite also allows to flip the image, and to save a grid on it, please select the grid in the LIVE view before.

Support and suggestions

You are very welcome to contact us if you have any questions or need support with the program. We are also very thankful for any suggestions or ideas on how to make Optika Vision Lite an even better and more useful software.