



µScope Standard Features

Live Measurement and Overlay Settings: Measurements can be taken on a live preview image with crosshair or grid masks. Calibration markers (or scale bars) can be placed on the live preview images or automatically added to each image as they are captured.

Calibration (Auto or Manual): Before accurate measurements can be taken, an auto or semiauto calibration needs to be performed based on pixels-per-unit. Manual calibrations can be performed, saved and later referenced from a drop down menu. Password protection of the calibration files ensures their integrity for later use. Passwords can be utilized in the calibration menu or with the camera resolution option.

Time Lapse Capture: The time lapse capture feature creates a video from a sequence of still images. Images can be imported from TIF, BMP and JPG file formats. Videos can be exported as AVI, MPG, MPEG and MOV file formats.

Export to Excel®: Images, measurements, calibrations, annotations, statistics and charts can all be exported in Excel format for later review.

Line Profiling: Single, multiple, parallel and Polyline commands provide Gray/Red/Green/Blue intensity values for specific lines within an image. The profile data of each pixel on the line can be exported to Microsoft® Excel.

Image Editing: You can use one of these many commands while editing your image:

Undo	Redo	Copy	Paste	Paste	New	Delete	Delete All
Annotate	Image Info	Histogram	Clone	Crop	ROI	Resize	Rotate

Manual Measurements:

Distance	Straight Line	Circle by Radius	Circle by N Points	Circle by Diameter
Circle by 3 points	Rectangle	Polygon	Polyline	Splice Lines
Angle Lines	Perpendicular	Point Count		

Annotations: The following annotations are available.

Arrow	Polyline	Spline	Rectangle	Ellipse	Text	Difference Lines
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More Great µScope Standard Features

Image Processing: Brightness, contrast, gamma, background subtraction, histogram, clone, crop, ROI, resize, rotate, split and image mode can all be adjusted manually. Images can be viewed in Grayscale, RGB, HSB, YUV Pseudo, 8bit and 16bit color modes. Filters assist with enhancement and morphology.

Region of Interest - ROI: When necessary a Region of Interest can be identified, selected and compared to samples in separate images. Several selection tools are available to isolate the ROI and those include; rectangle, ellipse, arbitrary, polyline, spline and magic wand. After making your selection the area can be exported for comparison with separate images.

Magnification Control:

Zoom In/Out Fit to Window Zoom in Window 1600% Magnification

Available File Formats:

TXT	IMG	JPG	JPEG	TIF	BMP	Gif	PCS
TGA	MPG	MPEG	AVI	MOV	IMG	RPT	

Window View Options:

Split Horizontal	Split Vertical	Cascade	Tile Horizontal	Tile Vertical
Arrange Icons	Classic	Modern	Dynamic User	

Time Lapse Sequence Control

You can show the progression of a sample by creating a video file from a sequence of still images. The resulting video can be shown forward, reverse. By utilizing a split screen option two different examples can be shown together.

Live Image Comparison

Multiple images can be evaluated at one time to verify dimensions, perform QA testing or make Go/No-Go determinations.