µScope Essentials Features

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

Calibration (Auto or Manual): Before accurate measurments 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 integrety 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.

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

Manual Measurements:

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

Annotations: The following annotations are available.
Arrow Polyline Spline Rectangle Ellipse Text Difference Lines

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

More Great µScope Essentials Features

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.

Image Stitching

As you increase magnification the field of view decreases. If an image of the entire sample is needed this can be accomplished by combining adjacent tile images into a single composite image. This process can be performed manually or automatically. Variations in brightness can be automatically adjusted to create a seamless image.

Live Image Comparison

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