

# Introduction of ultracam software

ultracam analysis software for microscopy with an intuitive user interface and simple to use navigation with a suite of image processing techniques, measurements and enhancement tools that set it apart from other mainstream softwares.

Such image processing softwares are now being extensively used in a number of diverse fields such a medicine, biological research, cancer research, drug testing etc.

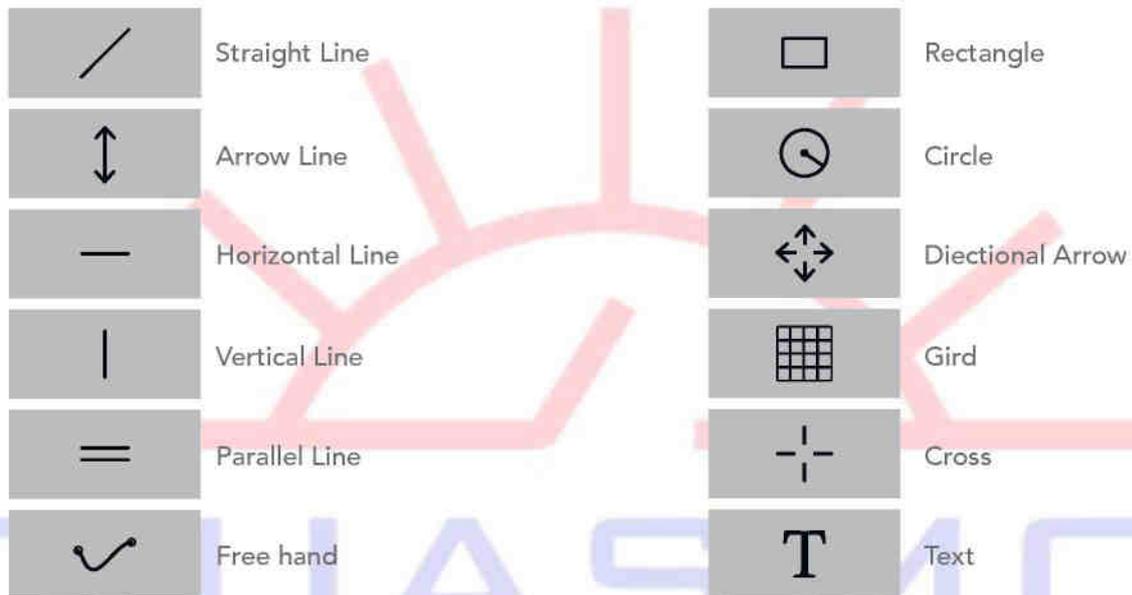


# SINCE 1961

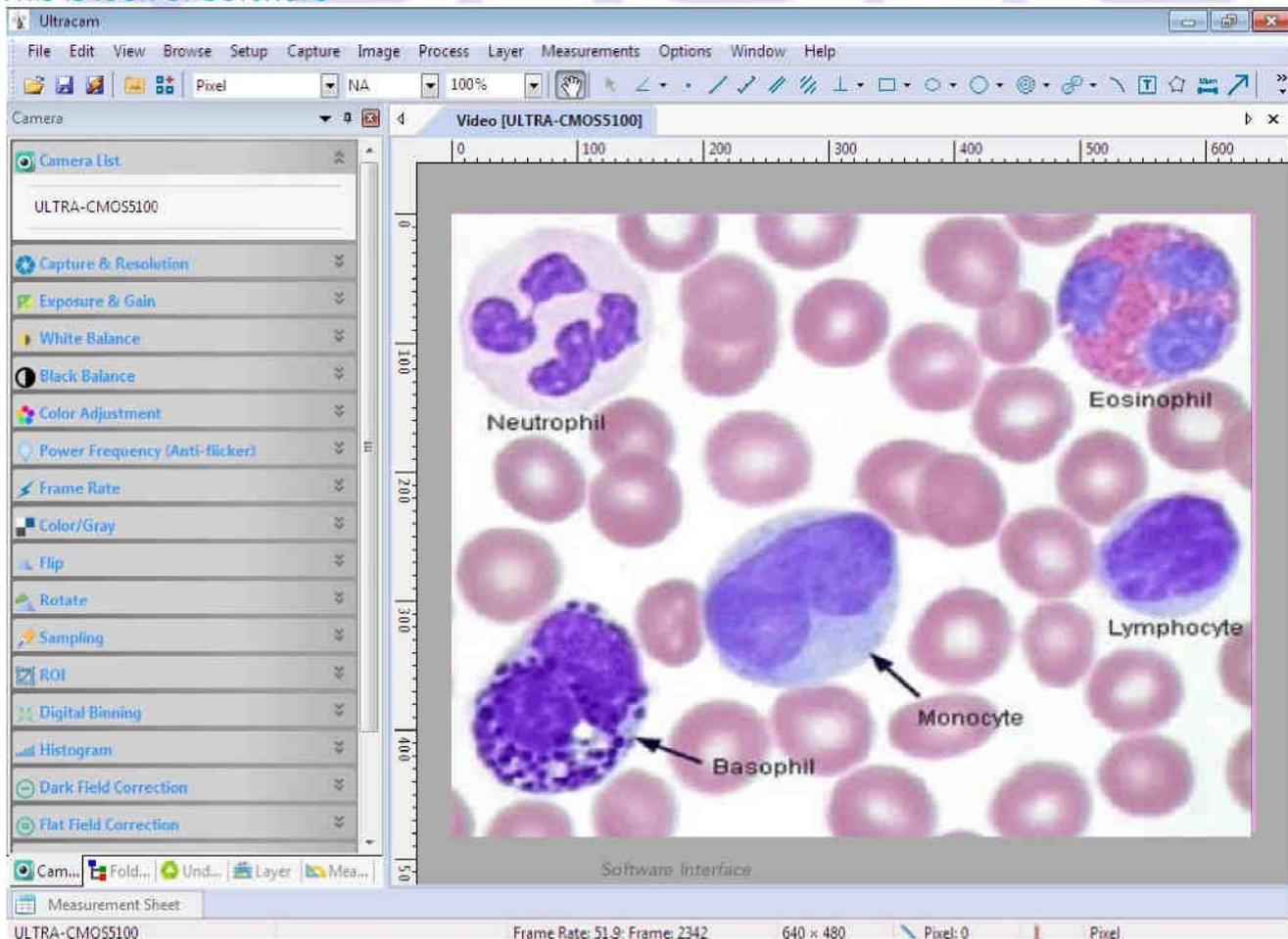


# Annotation

Annotation features allows quick and easy Documentation of your image tools. The available tools are: line between two points, horizontal line, vertical line, freehand line, two parallel lines, perpendicular lines, Square, Circle, Text, Arrow, Grid, Cross lines from center, scale bar, highlighter. The text color & Thickness of line can be designated.



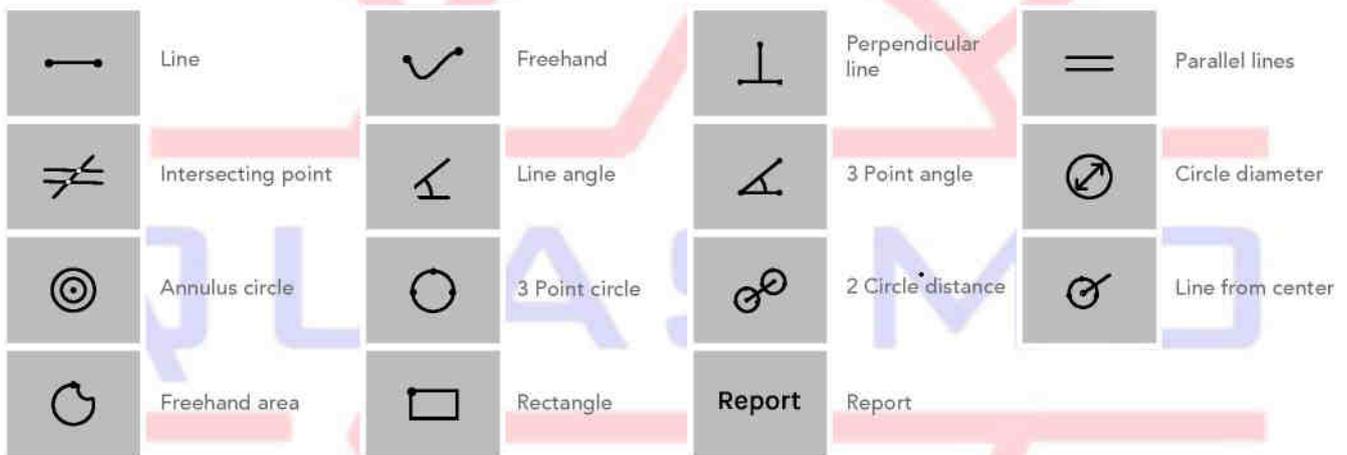
This is look of Software



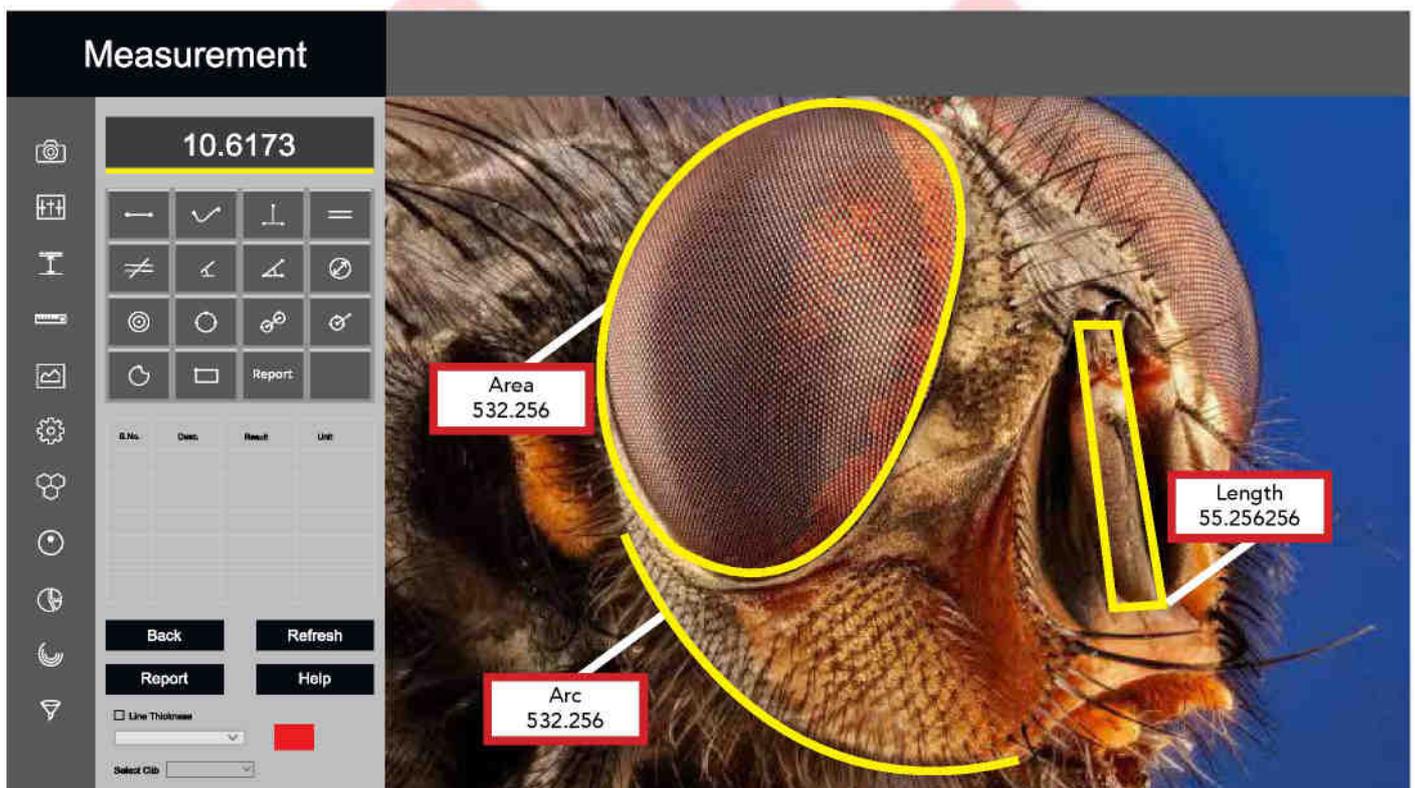


# Measurements

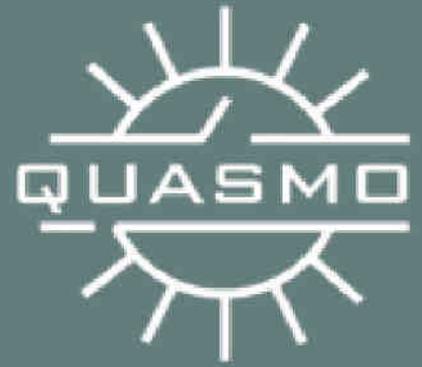
A large number of measurement tools are available to perform on stored Images or no live display. Crossline or grid of 10X10 can be deployed there on live display or on captured images. Line measurement tools are: length of line, distance between two points, length of the vertical line, length of the horizontal line, Freehand tool to measure length of an irregular object, area of and perimeter of irregular shapes, Perpendicular line measures the distances from any baseline/ fiducial line, distance between two parallel lines, measure the diameter of a circle created by points, area and perimeter of irregular shapes, Arc, ellipse, circle measurements including definition of center point, Chord length, sweep angle & radius.



This is look of Software



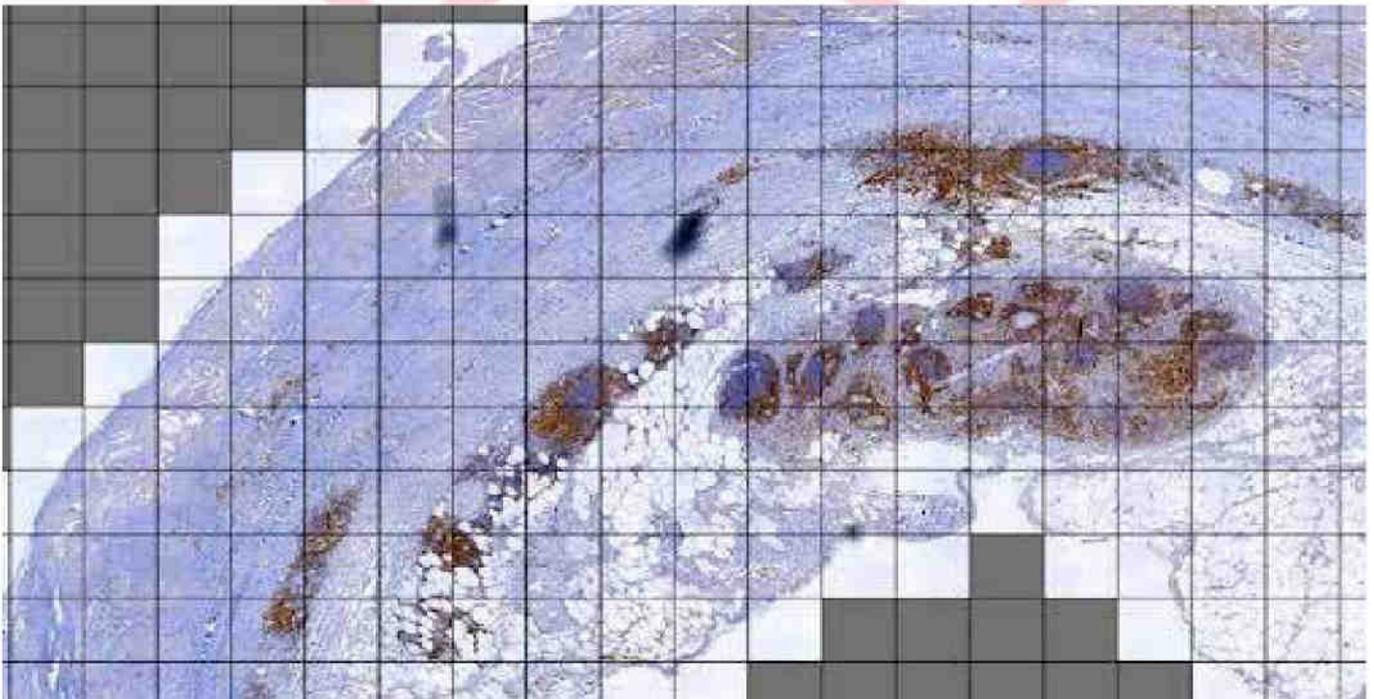
Software Interface



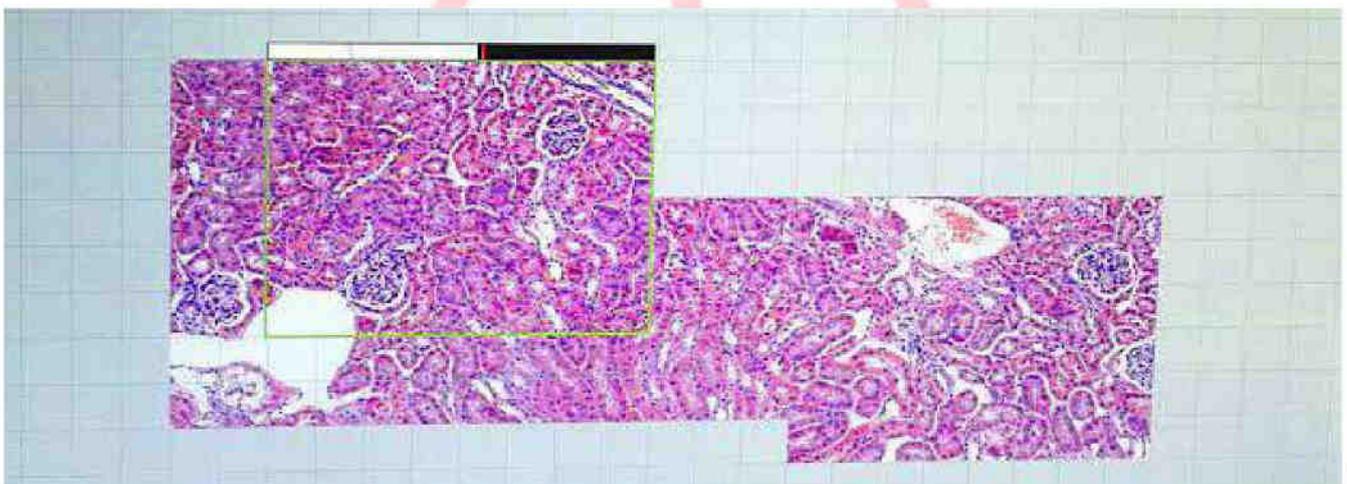
# Manual Stitcher

The software is designed to stitch overlapped image tiles by moving stage precisely step by step to cover the entire specimen and sub segment stitching of the data blocks into one image. It has an automatic algorithm for homogeneous illumination using shading (back ground) correction. Stitching options are available for few images as well as for whole samples with resolution up to several gigapixel.

Ideal for large tissue samples, this ensures reproducibility while taking the guesswork out of tilting experiments.

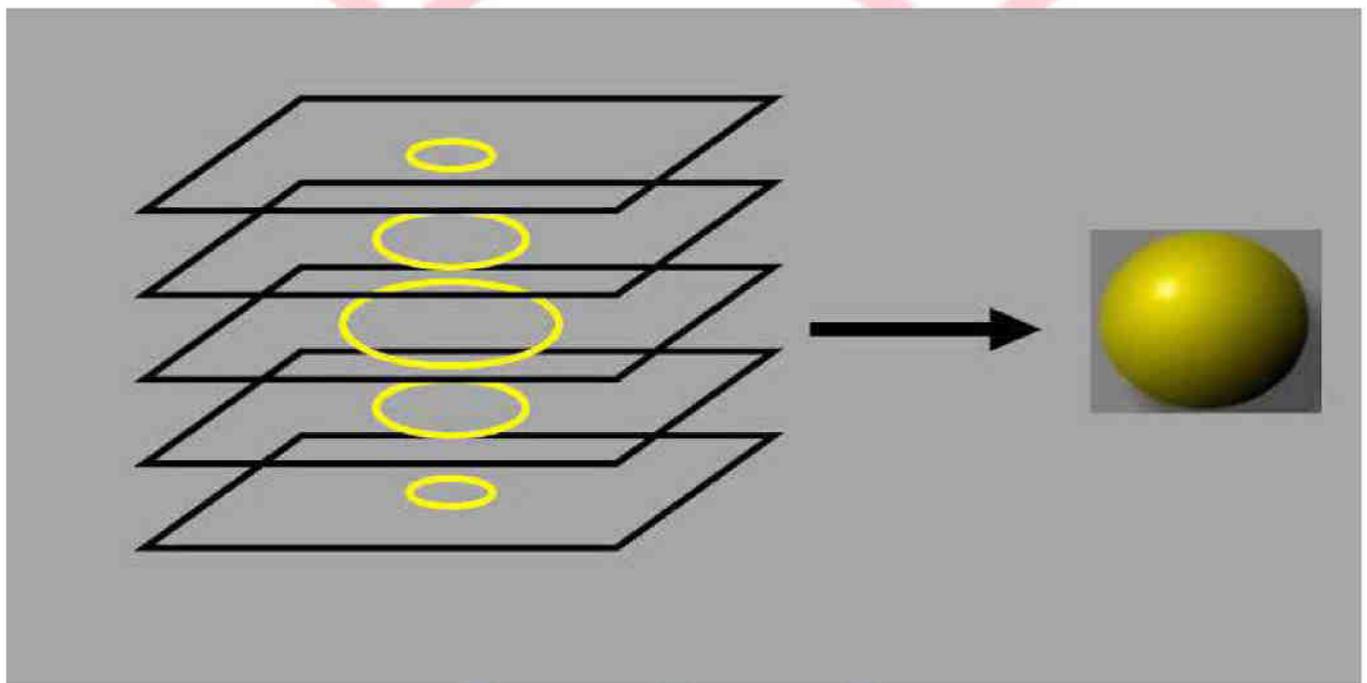


Sample Image

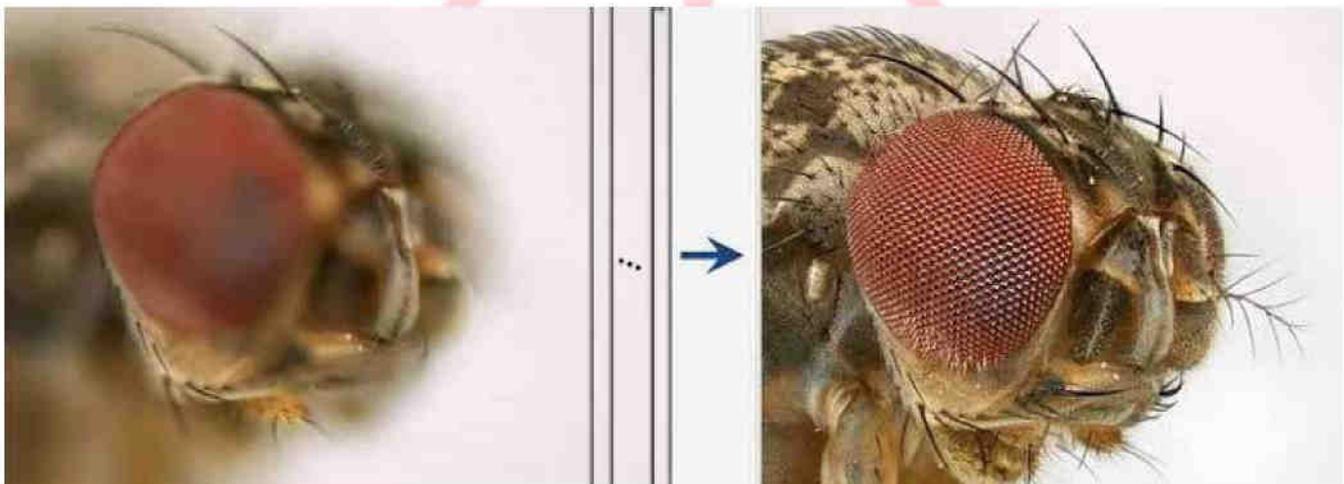


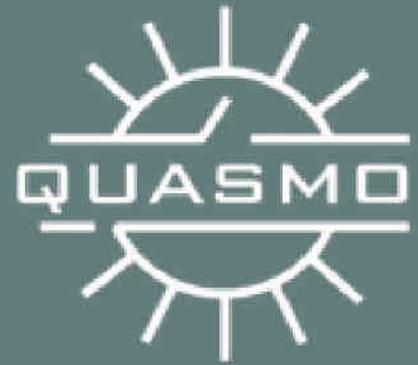
# Montage (Z-Stacking)

This module is a digital image processing method, which combines multiple image taken at different focal distances (z-stacking) to provide a composite image with a greater depth of field (i.e. the thickness of the plane of focus) than any of the individual source images. It is particularly useful for capturing in focus images of objects under light magnification. With this method you can extract specific parts of the image into three dimensional images.



Sample Image

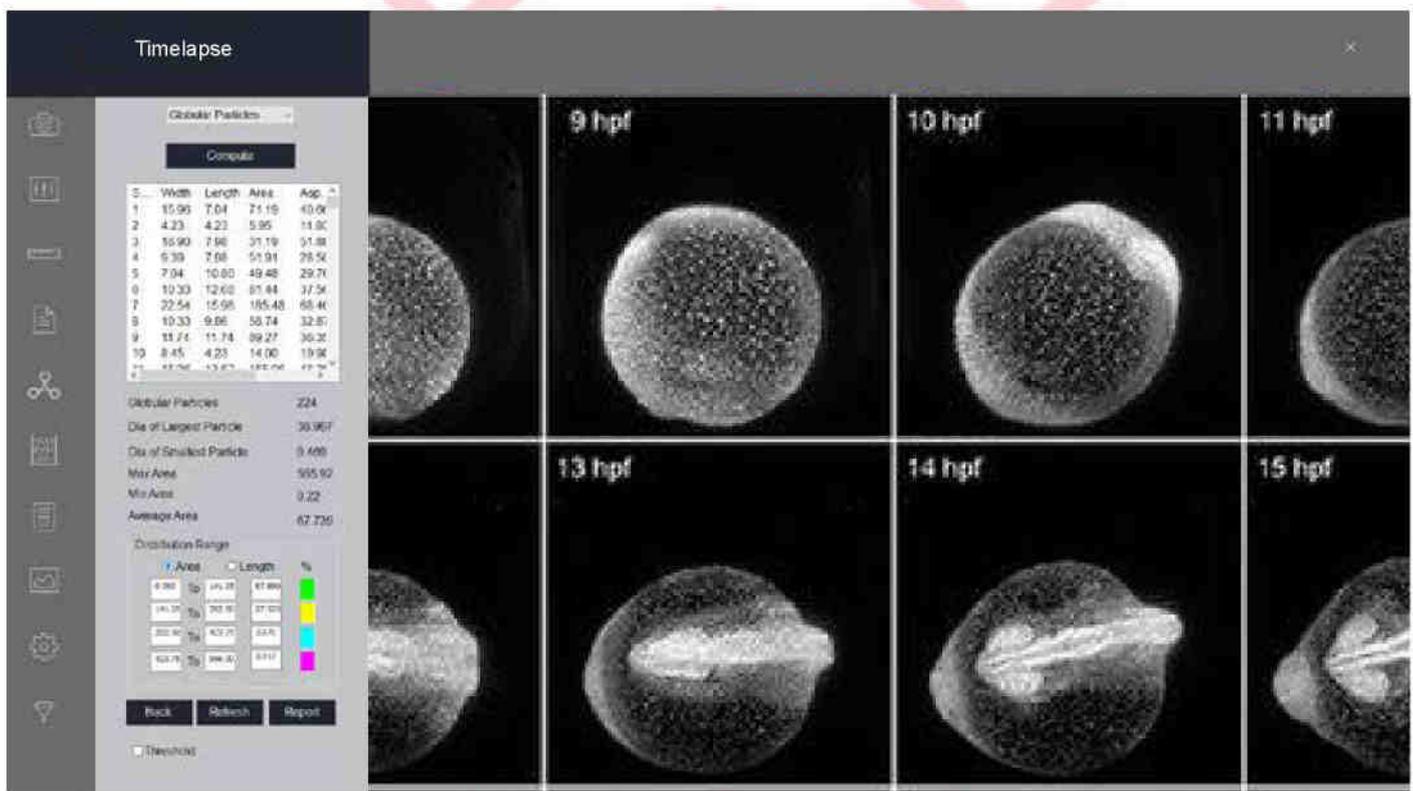




# Time Lapse

Time Lapse acquisition investigates change in specimens or materials over time by acquiring images at predefined intervals. It supports tiff, bmp, & JPG file formats.

It also includes an auto save feature by DD/MM/YY/hour/minute/second play your time lapse images as a movie to view the movement and other activities.

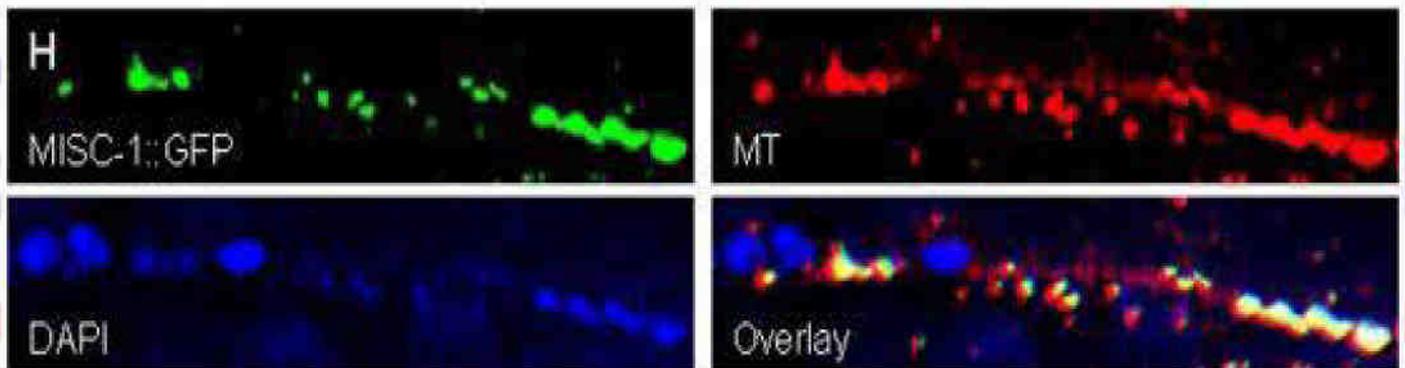
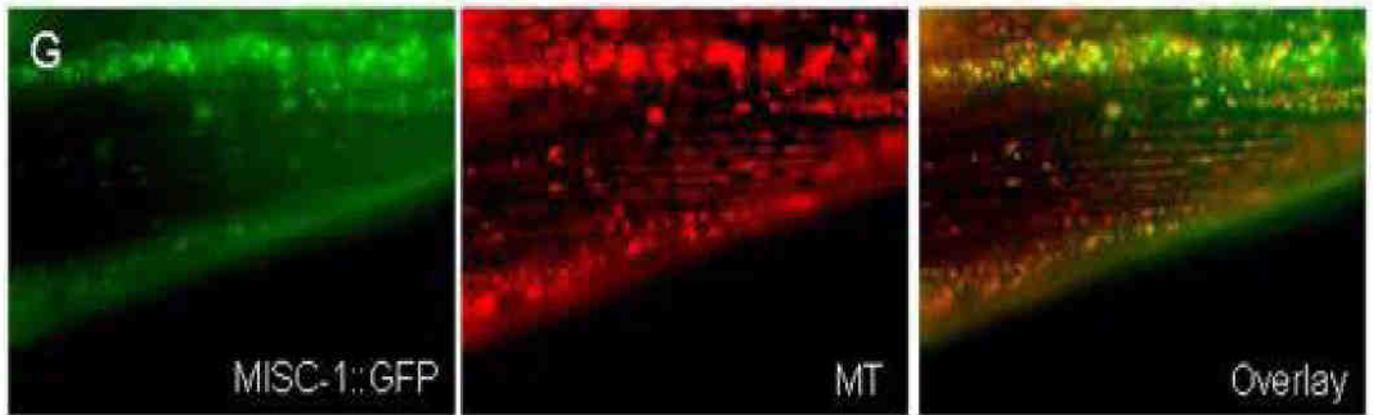


Annotation functions Text, Arrow, Rectangle, Circle, Measurement Functions: Line: Length measurement, Parallel lines, Circle: Diameter, area, perimeter measurement, Angle: Angle measurement, Rectangle: Area, perimeter measurement, Polygon: Area, perimeter measurement, Point: Coordinates, number and Scale Bar, The camera is integrated with app for mobile devices Software Windows On Screen Display Software standalone operation offering intuitive controls image acquisition display, basic measurements and annotations display, basic measurements and annotations well storing functionality. Additionally, onboard imaging software is enable camera controlled without computer a mobile device standalone mode



# Overlay

Overlay This application, Image Overlay module acquires, enhances and documents multiple wavelength, fluorescence microscopy Images.



**#84 HSIIDC Industrial Area Ambala Cantt**



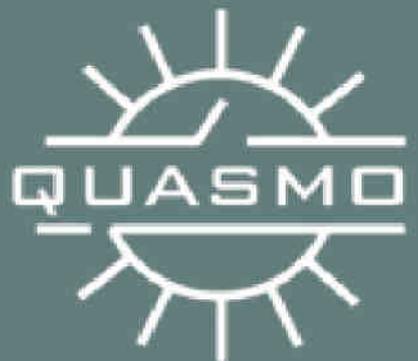
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