

TrueChrome Metrics

with measuring function.



The New Truechrome Metrics allows user to measure on screen and save measurements in picture or as Excel or data file onto the onboard SD card. Available in 2 formats with and without attached screen(Retina).

Truechrome Metrics Camera alone with all the attributes of Truechrome11 with advanced measurement system **TrueChrome Metrics Retina** is supplied with the HDMI attached screen 29.5cm diag. No computer required.

Calibrate and save your objective spatial calibrations.

Placing a stage micrometer on the stage allows users to calibrate, and save, the spatial calibration for upto 10 objective calibrations.

User selects **Start Measurement** to bring up a list of measuring parameters.

Anchor Point provides position of point X,& Y

Line Any straight line or Horizontal or Vertical

Freehand line Length of line drawn by mouse

Rectangle draw rectangle and area & perimeter are measured

Circle Centre point, 2 pt or 3 pt circle measure Area, Perimeter, Diameter.

Polygon measuring Area and Perimeter

Point Line Distance from line drawn

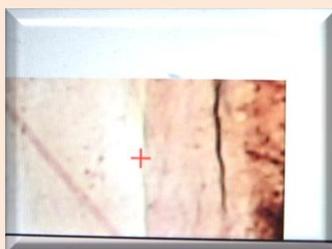
Concentric circles Draw 2 circles and measure diameters

BiCircles measures the centre distance between 2 circles

Angle Measures included angle between the lines

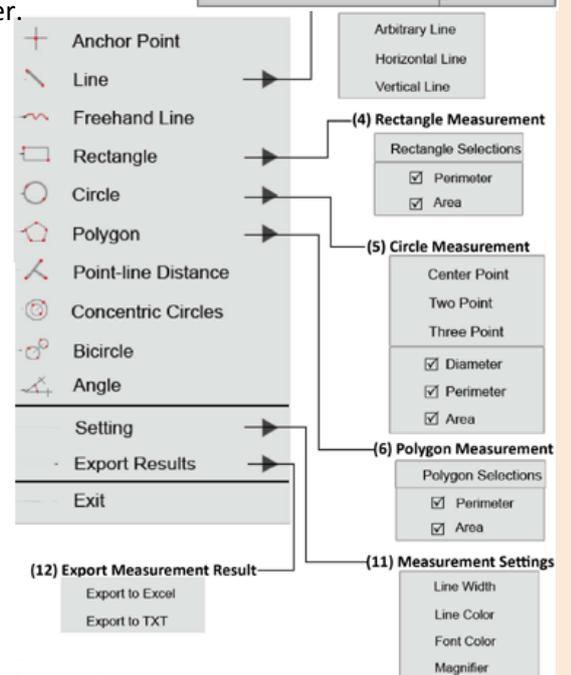
Settings: Allows user to set line width, colour, and font colour.

Magnifier Off or On



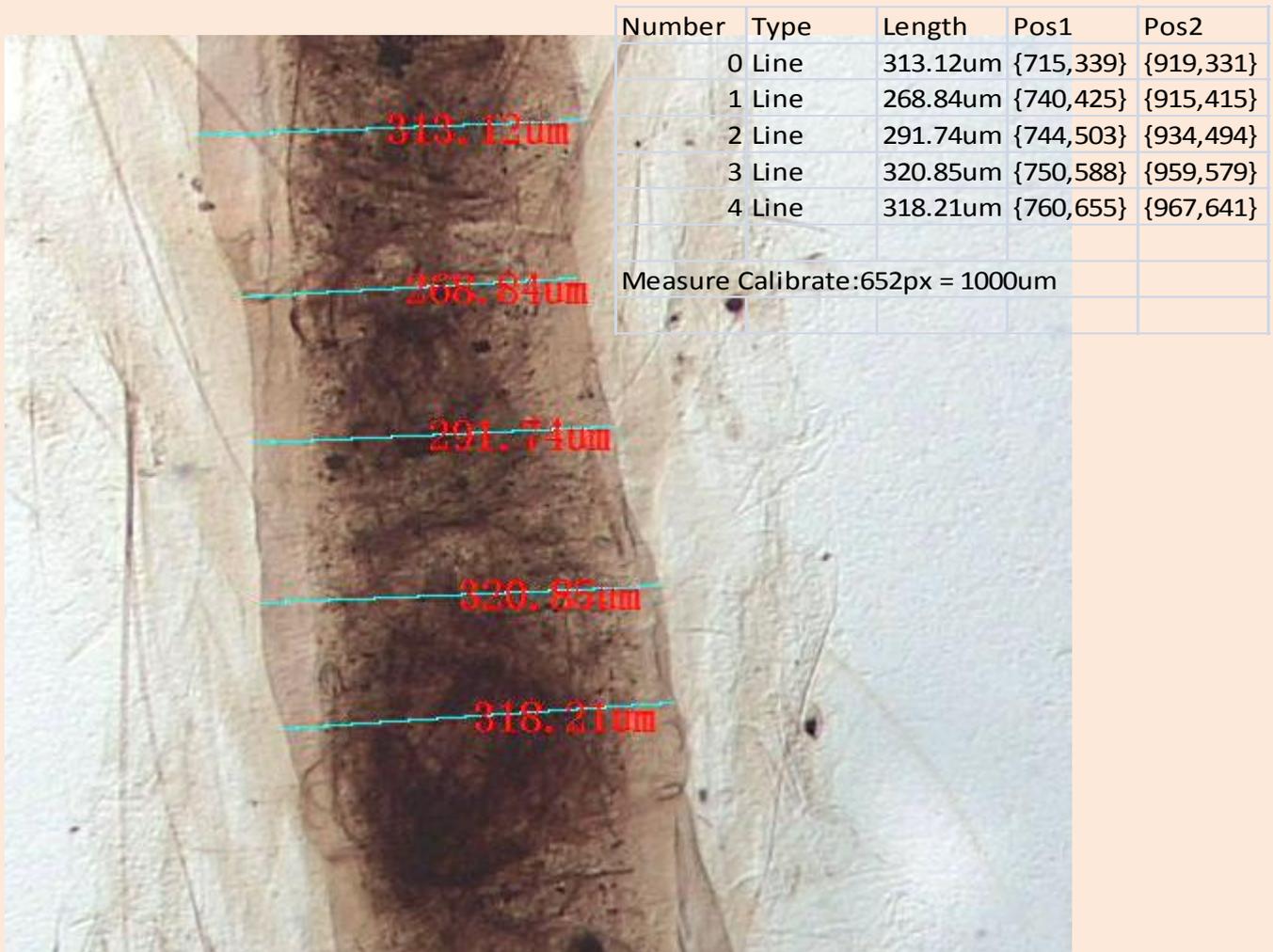
Magnifier Box allows users to accurately position mouse cursor for accurate measurement.

Length	500	um	=	267	pixel
Zoom					
Calibration Table	20x obj				
1 ABC	2 DEF	3 GHI			
4 JKL	5 MNO	6 PQR			
7 STUV	8 WXYZ	9			
Delete	0	Enter			
Start Measurement		Exit			

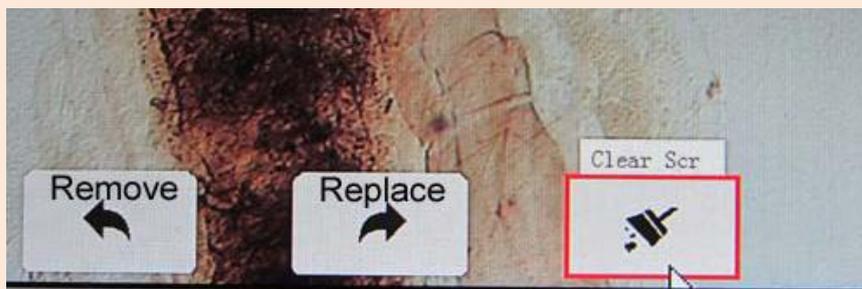


Export Results: Results can be saved on the SD card in either Text or Excel format. Card must be placed in card reader for data and pictures to be extracted. Note if connected to Windows based computer use ISCapture to capture and do image analysis.

Picture below is sample with Excel file overlaid



Overlay lines can be removed or replaced on image



User can place a number of horizontal and vertical lines on the image in various colours so as to use as counting segments or for other applications, or use as simple centre cross

Camera controls:

- ❖ Auto exposure
- ❖ White Balance
- ❖ Gain
- ❖ Colour
- ❖ Brightness
- ❖ Brightness
- ❖ Sharpness
- ❖ Denoise
- ❖ Capture still jpg
- ❖ Movie capture

Camera Specifications:

Sensor	IMX236
Sensor size	1/2.8" (coupled with Exfocus0.5xC mount, achieve 80% field of view)
Resolution	1920x1080
Frame speed	1920x1080 30fps via USB2.0 1920x1080 60fps via HDMI
Image Record Video Record	High speed SD Card (8G) 1080p 30fps in SD Card 1080p 30fps in PC
Exposure time	0.001 sec ~ 10.0 sec
White balance	Auto, also Red, Blue, Green control
Settings	Gain, Gamma, Saturation, Contrast
Digital Zoom	Zoom up to 10x in 0.1x increments
Built- in software	Cloud 1.0 ver
PC software	ISCapture
Output model 1	USB2.0
Output model 2	HDMI
System Compatible	XP,Win7/8,32/64bit,MAC OSX
Optical port	C- Mount

