



IS Visicam Image Analyser

- Software Features Quick guide -

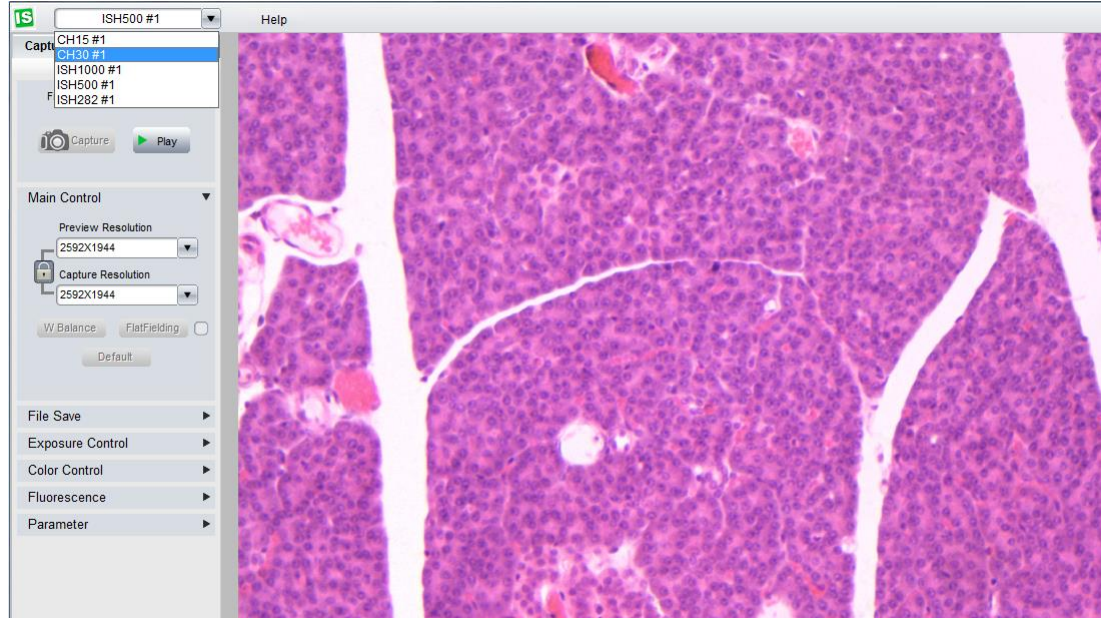
(complete multilanguage manual inside CD-ROM)

Inherited the previous user-friendly interface and powerful functions, we further simplified the software interface and optimized the layout. Beside more user friendly software interface, we also integrated new functions: multiple-cameras, upgraded flat fielding, multiple color channel combination, HDR etc. Let's take a quick glance into the new functions.

Advanced camera control

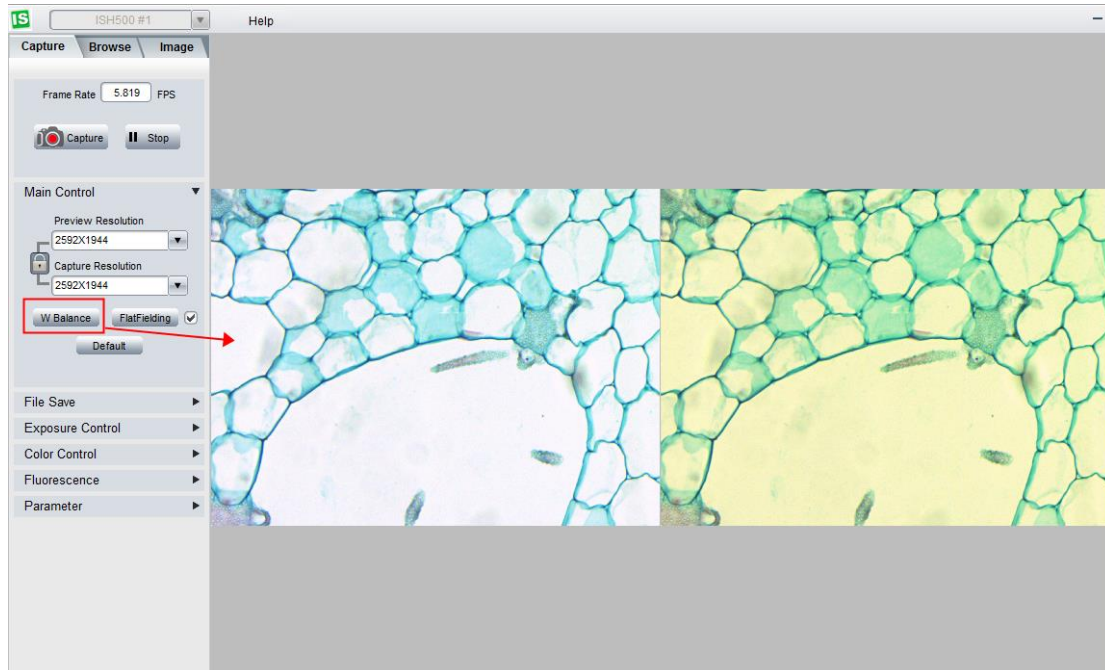
1.1 Multi- Cameras

IS VisiCam software supports multi-camera function. You can switch to different camera freely.



1.2 Global Auto White Balance

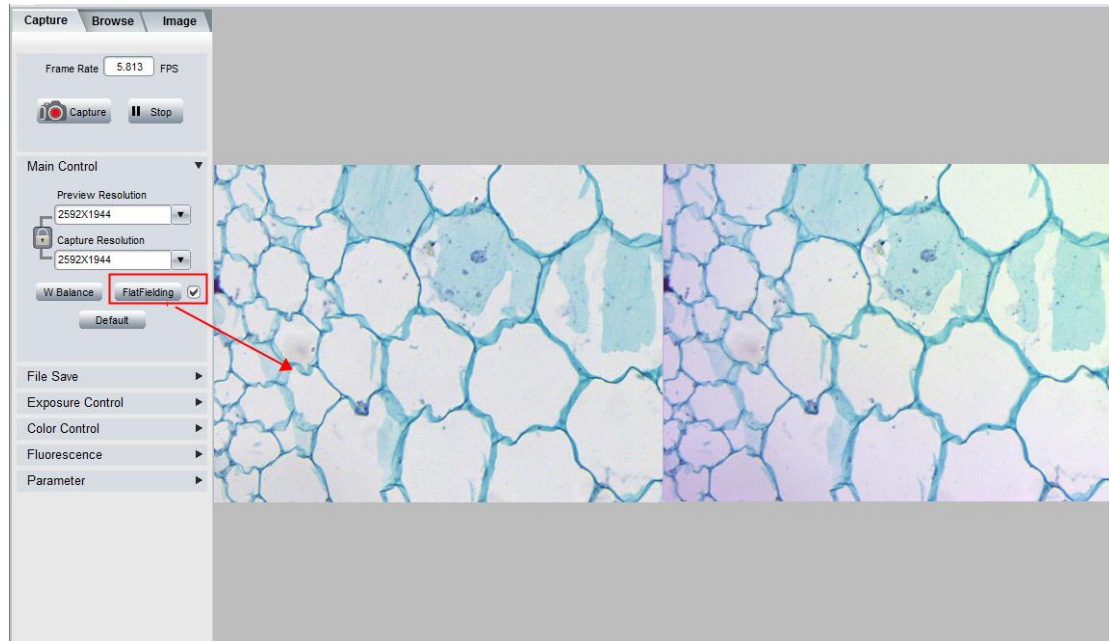
With global auto white balance, the area white balance is not the only option.



1.3 Flat Fielding

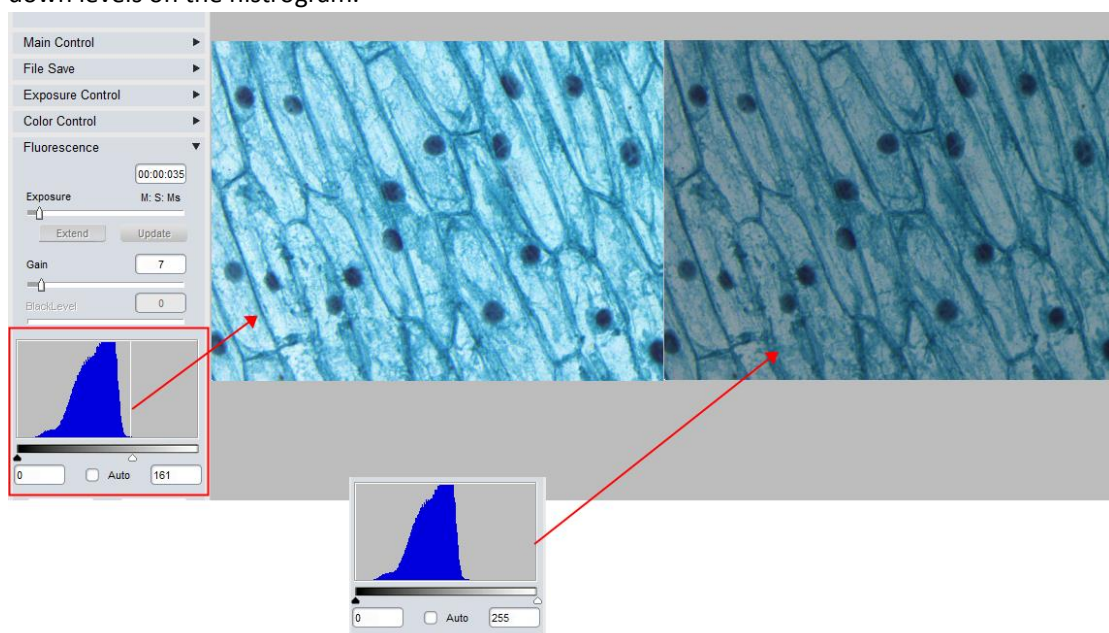
Did the uneven image brightness still bore you? Try this Flat Fielding function!

Notes: To get better result, move the sample to the blank area then apply it.



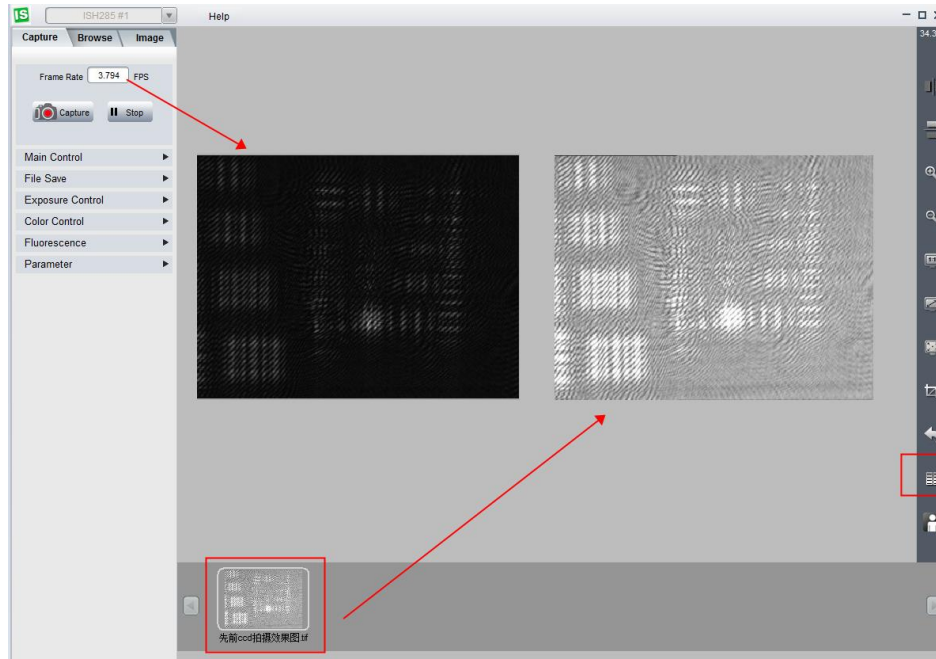
1.4 Real-time Histogram Control

Provide real-time histogram. You can see more details of the live image via stretching or narrow down levels on the histogram.



1.5 Comparison

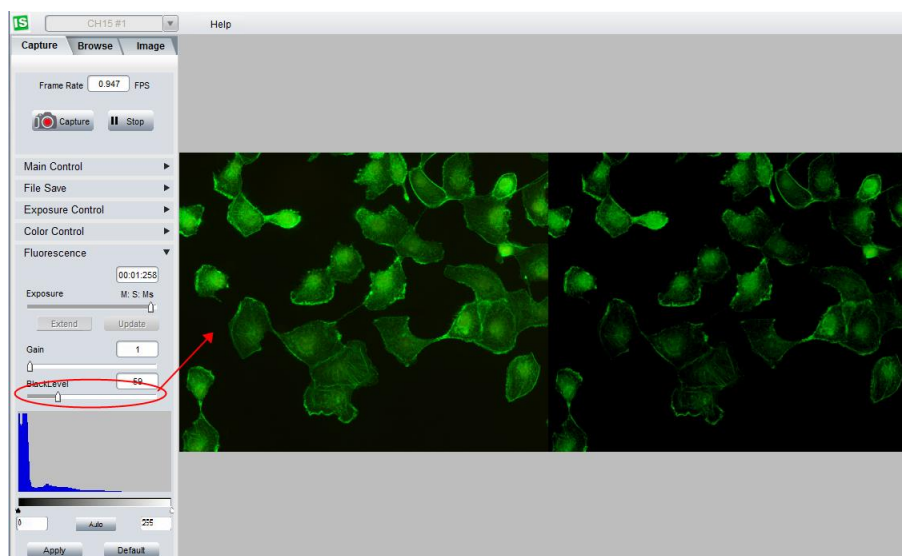
Want to compare live image with one specific picture? One quick button allows you to compare the live image with any still picture.



2. Unique low light setting

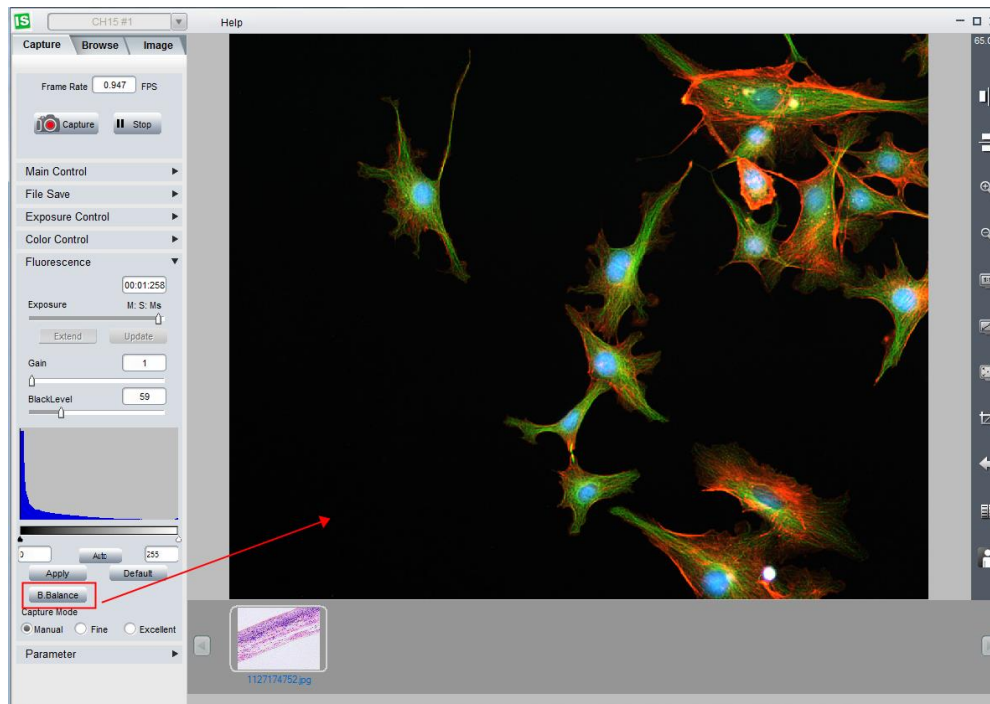
2.1 Black level

Black level function will bring you the amazing imaging experience in Fluorescence.



2.2 Black balance

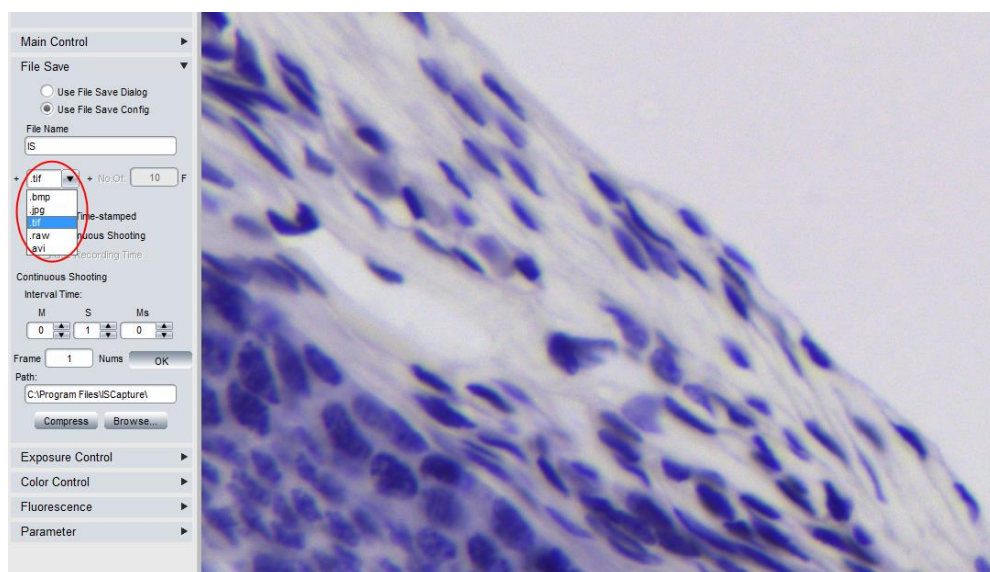
In fluorescence imaging, most area of the image is dark. In such case, the white balance is not able to give the correct color reference for the images. How can you do the color correction for the images? Black Balance helps you solve this.



3. Capturing & Video Recording

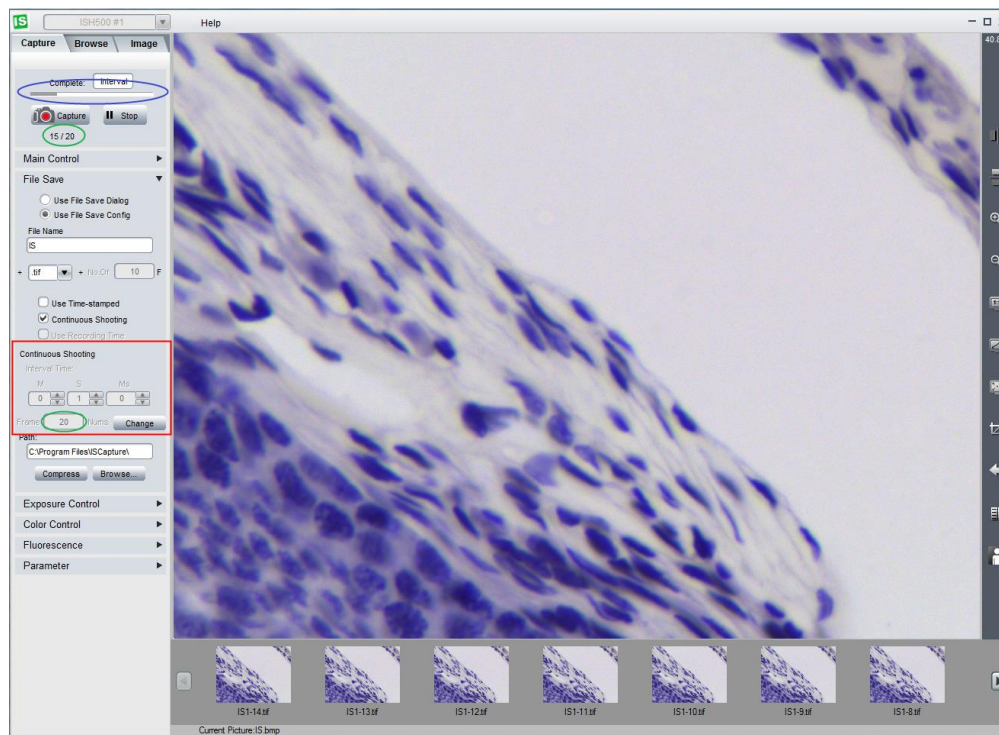
3.1 Multiple formats

Multiple image formats are available on the drop-down menu.



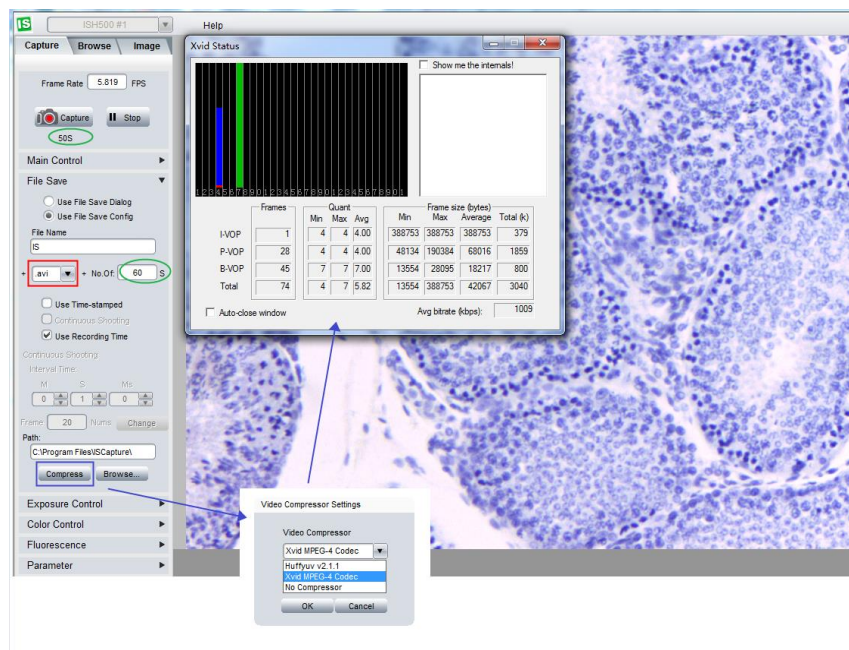
3.2 Continuous Shooting

You can set the number of frames and interval time to do the continuous shooting.



3.3 Video recording

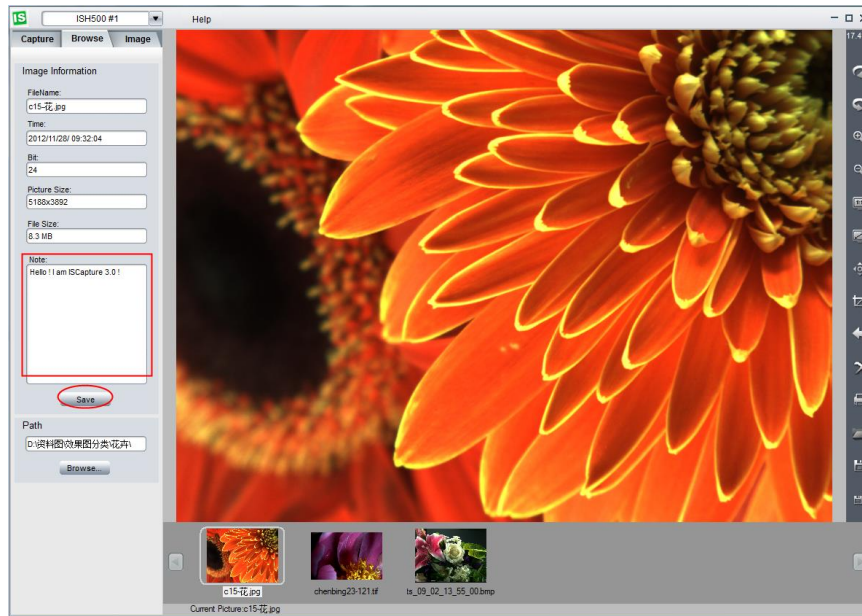
There two ways to take the video: set recording time or number of video frames. Video compression is also provided.



4. Flexible file management

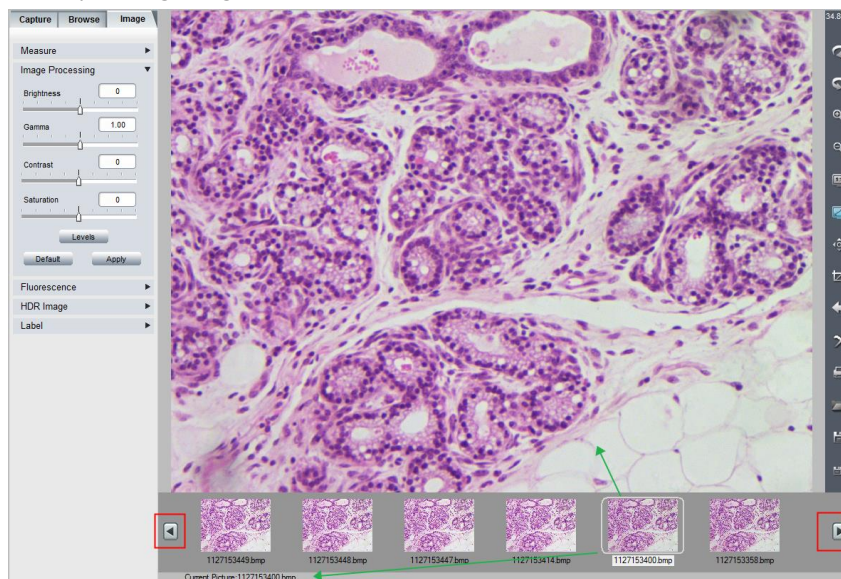
4.1 Note

Still worry about keeping records for thousands of pictures? IS Visicam Image Analyser allows you to take notes for any picture easily. This note will be not saved on the images to destroy your images. But all the people can access the notes while revise the pictures via IS Visicam Image Analyser.



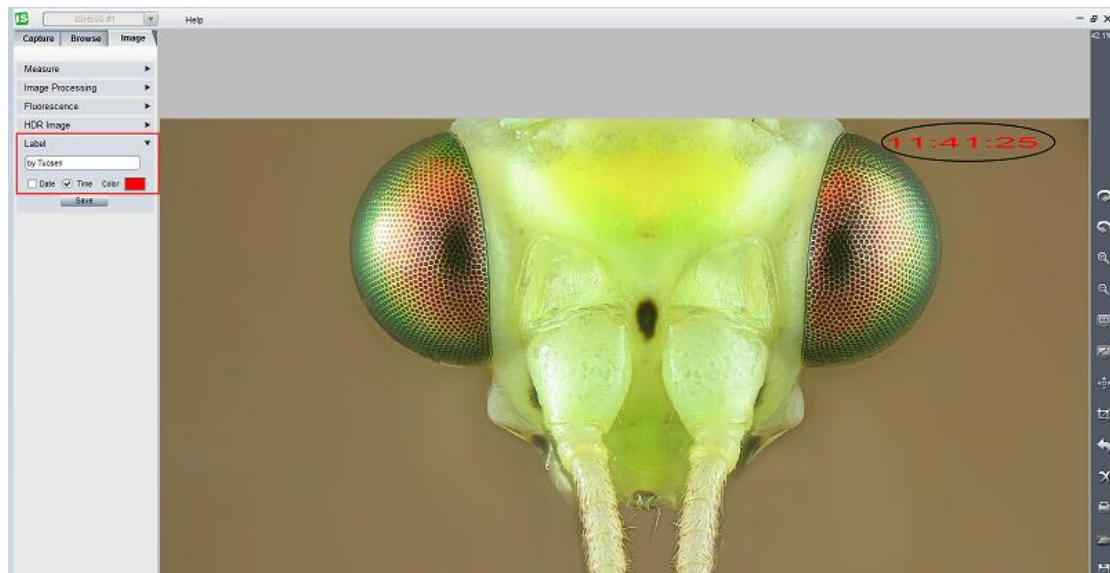
4.2 Image Browse

Browse specific image folder, all the image thumbnails will be displayed on the bottom of IS Visicam Image Analyser. You can switch to preview or process any picture by double-clicking the corresponding image thumbnail.



4.3 Label

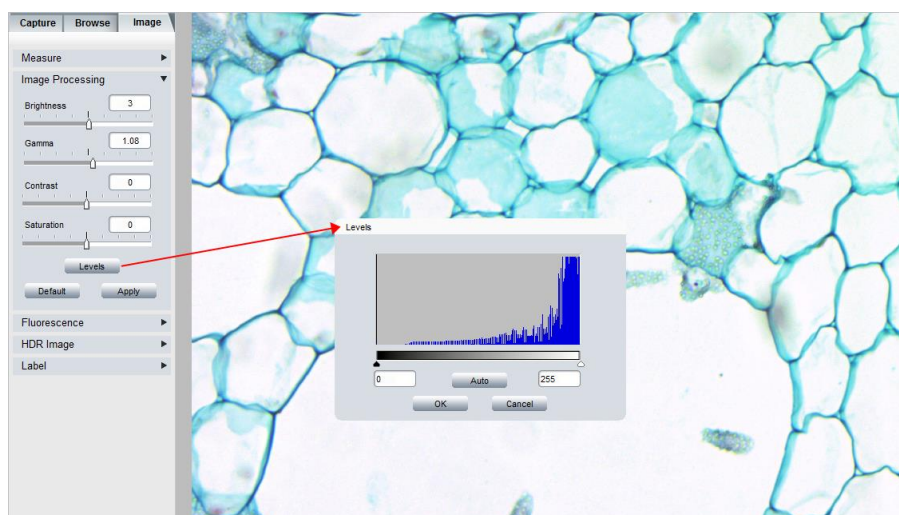
It is easy to add label to images. You can add the captured time and date by just one click. The thoughtful color option for the label helps you to put label on any color images.



5. Image processing

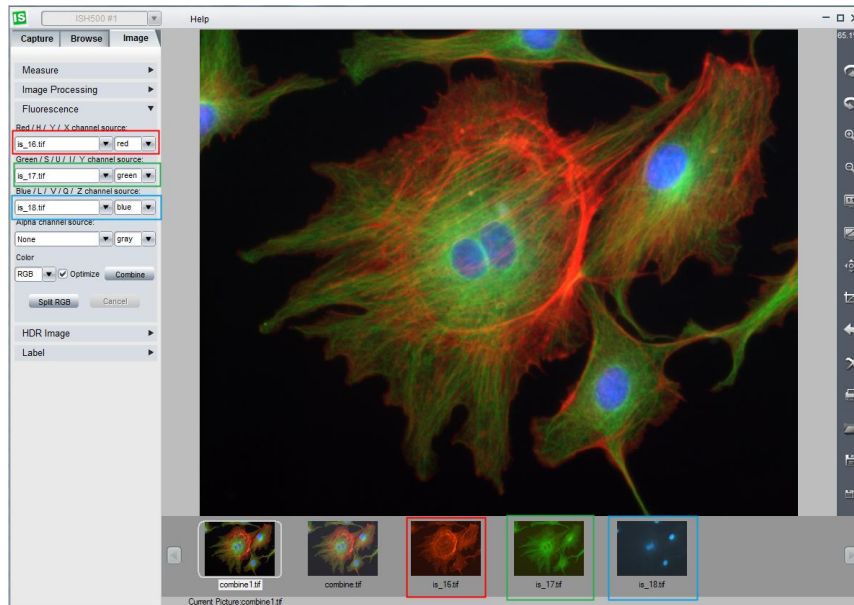
5.1 Basic image processing

Basic image processing function allows you to adjust the still image brightness and color freely.



5.2 Combine

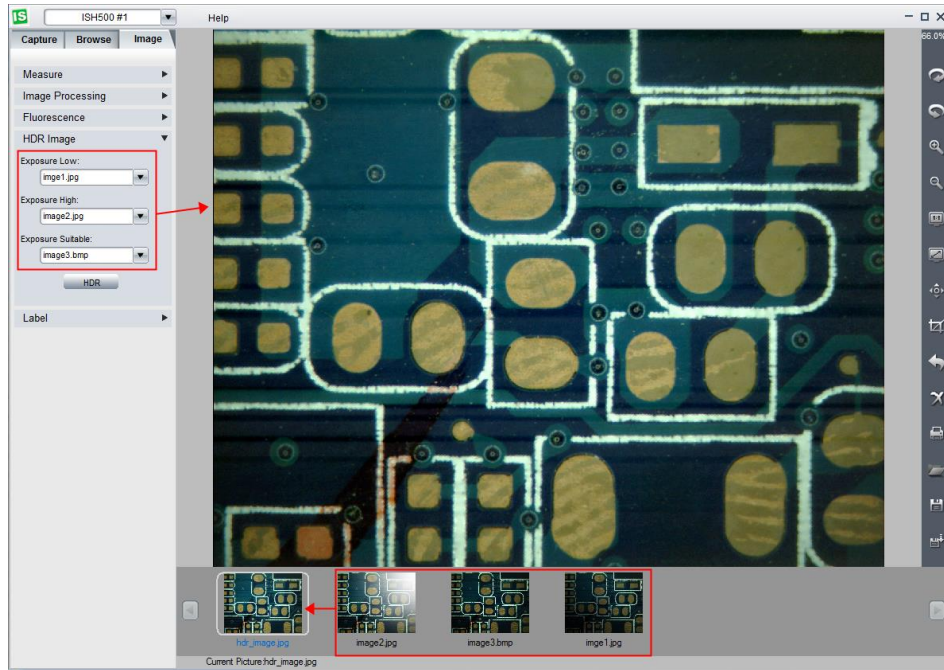
In IS Visicam Image Analyser, it is a simple task to experiment with various color combinations by rearranging the images into different channels. It also allows you to split color images and merge interested channels. Better result will be presented if optimizing the combination.



5.3 HDR

Did you ever get this problem when doing the capturing: When set longer exposure time, some area of the image was over-exposed. But if set shorter exposure time, another area of the image became too dark. There is no one proper exposure to take care of the whole scene.

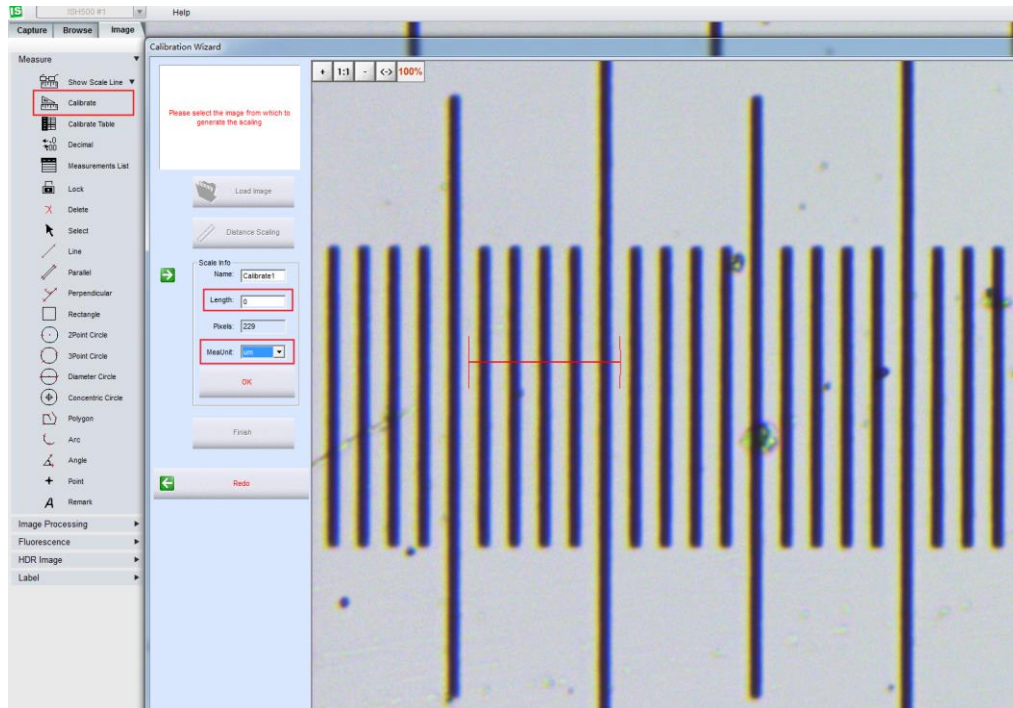
Here the HDR (High Dynamic Range) creates a greater dynamic range image from three partially well-exposed images.



6. Measurement

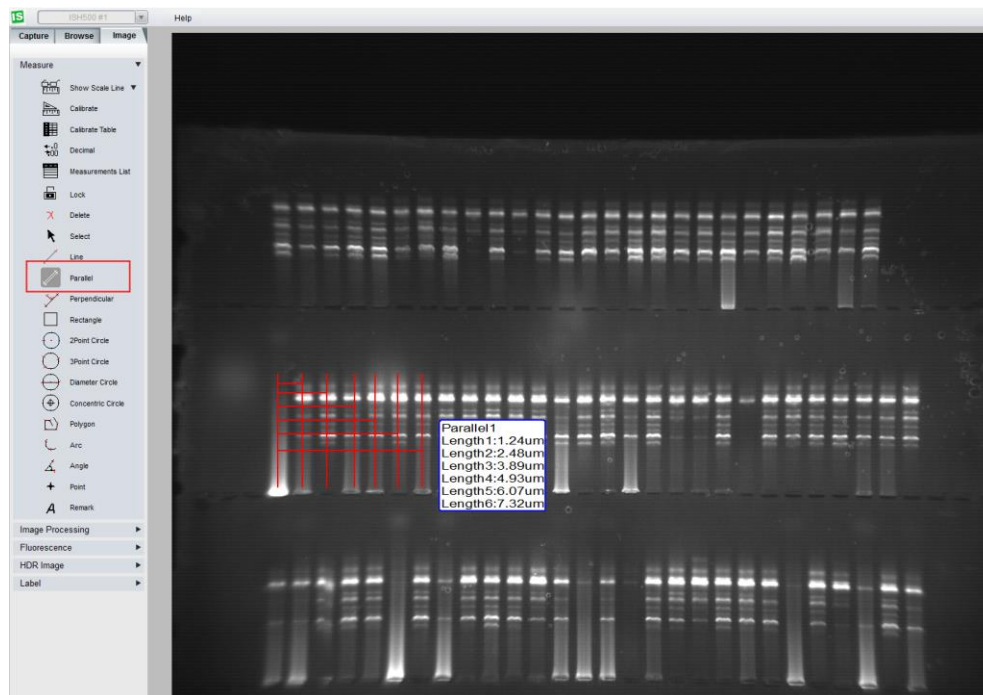
6.1 Calibration

Precise calibration function. It is accurate to nanometer level.



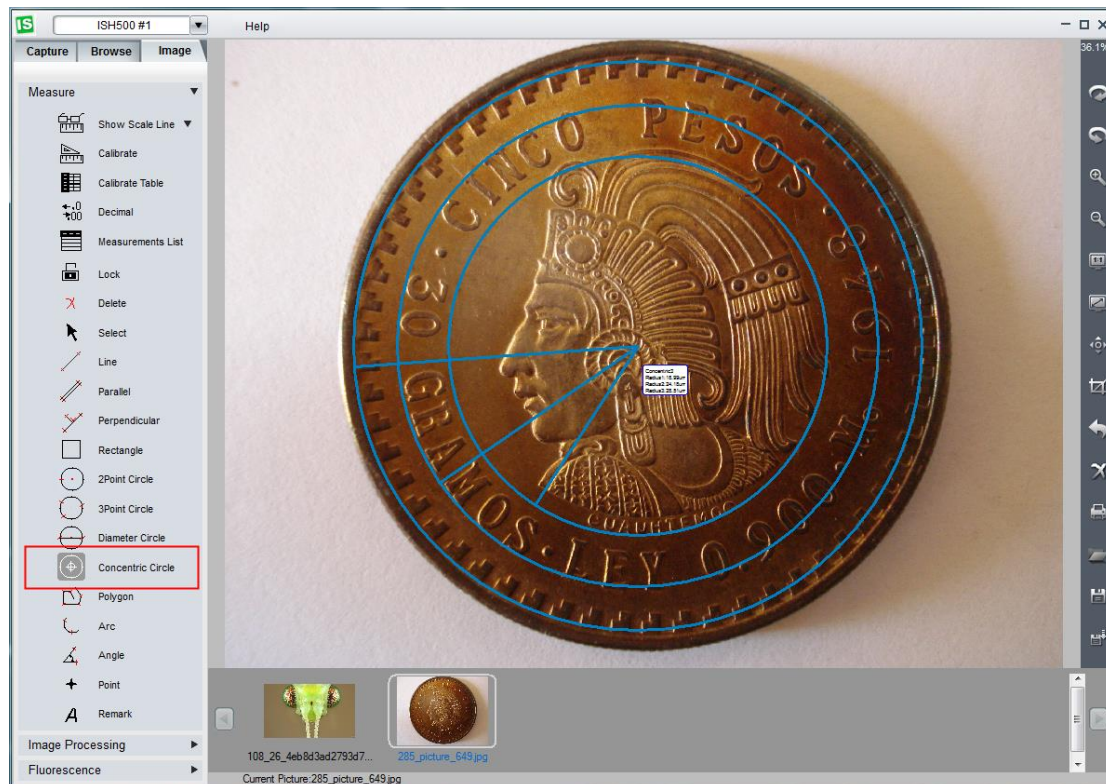
6.2 Continuous Parallels and Perpendicular measurement

Measure any number of same baseline parallel/ perpendicular distances.



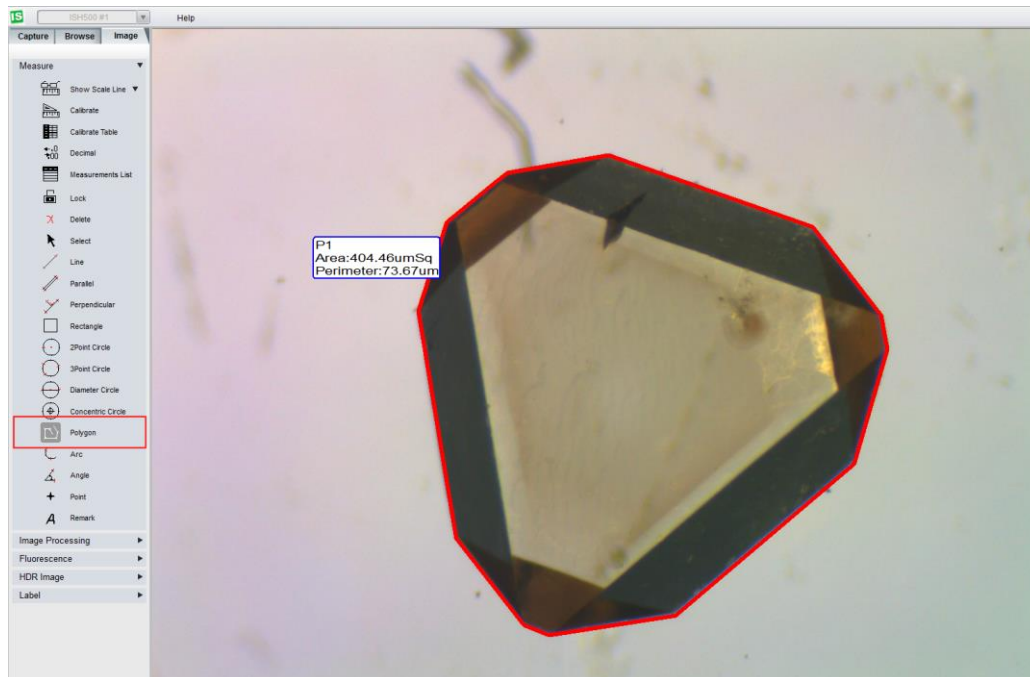
6.3 Concentric Circles measurement

It allows you to measure radius of any number concentric circles.



6.4 Polygon

Measure the perimeter and area of irregular shape objects.



6.5 Arc

Want to find out the radius, arc length and angle of circumference of any arc or incomplete circle?
It is fairly simple with this Arc function.

