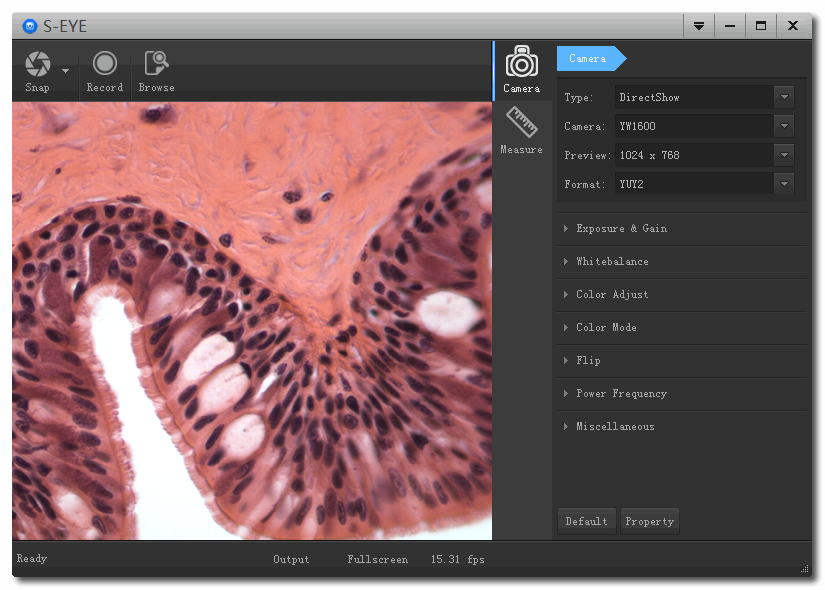
# S-EYE User Manual



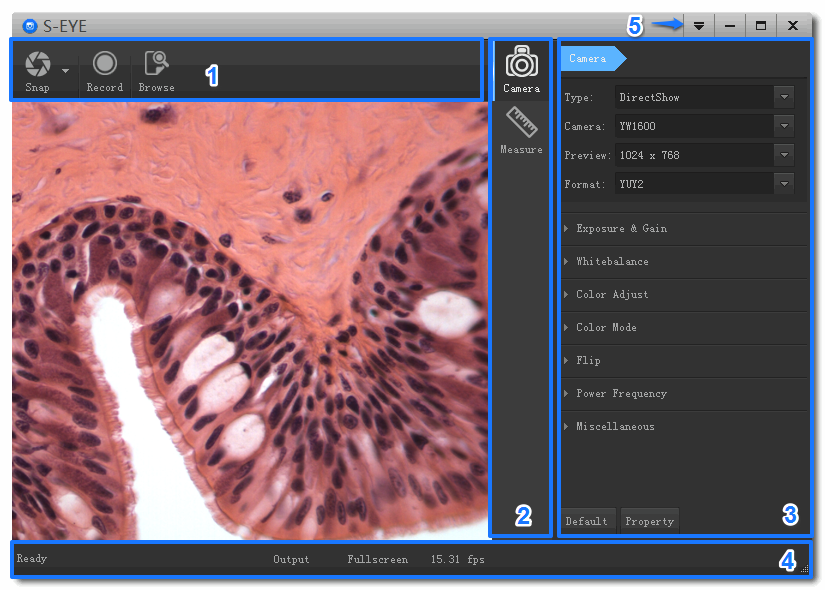
S-EYE V1.2

## Overview

S-EYE is an application for imaging a dynamic image processing, has the following characteristics:

1. Support a variety of cameras, can switch at any time to use.
2. Using GPU rendering for image previewing, support for live image display of high-resolution and high frame rates.
3. Support dynamic image measurement function.
4. The software interface is easy to operate.

## User Interface



1. Toolbar：Take pictures/Recording video/Browse files.
2. Sidebar tab：Switching the rightmost control panels currently provides camera control and measurement functions.
3. Control panel：Specific camera control and measurement operations.
4. Status bar：Display camera information, Change user interface view, and Toggle measure result panel.
5. Main menu：Open setting dialog, show software information, etc.

## Capture Images

You can capture pictures and videos：

1. Take a picture: Click “Snap” button to take a picture. Click the right arrow beside the “Snap” button to set picture file format and resolution.
2. Recording：Click “Record” button to start video recording, Click again to stop recording. When recording, there will be an animation indicator over the image.
3. Browse：Click “Browse” button to open the folder where pictures and video stored.



## Camera Control

|  |  |
| --- | --- |
| **Screen shot** | **Description** |
|  | Device Control:   * Select a camera currently connected. * Set preview size and image format. |
|  | Exposure and Gain:   * Toggle automatic and manual exposure control. * Change exposure time. * Change gain value. * Change auto exposure target brightness. |
|  | White balance:   * Toggle automatic or manual white balance. * One push white balance. * Change color temperature. * Change red/gain/blue gain value. |
|  | Normal camera parameter adjustment. |
|  | Color mode |
|  | Flip image vertically and horizontally. |
|  | Power frequency:  To avoid image flicker, you may need change this parameter. |
|  | Decrease the noise from the image. |
|  | * Reset camera parameters. * Open camera property dialog if it existed. |

\*If the selected camera does not support some features, the corresponding interface controls will not be operated.

## Measurement

|  |  |  |
| --- | --- | --- |
| **ICON** | **FUNCTION** | **Description** |
|  | Move | Move or adjust the measurement tool. |
|  | Point | Draw a marker over the image. |
|  | Line | Measure length of a line. |
|  | Break line | Measure length of break line, right click to finish drawing. |
|  | Rectangle | Measure perimeter and acreage of a rectangle. |
|  | Polygon | Measure perimeter and acreage of a polygon. |
|  | Circle | Measure a circle, the circle is determined by center point and radius. |
|  | Two Points Circle | Measure a circle, the circle is determined by two points. |
|  | Three Points Circle | Measure a circle, the circle is determined by three points. |
|  | Arc | Measure length of arc. |
|  | Angle | Measure angle. |
|  | Perpendicular | Measure the distance from a point to a line. |
|  | Delete | Delete one measurement tool. |
|  | Delete all | Delete all measurement tools. |
|  | Export | Export measurement result to file. |

## Troubleshooting

|  |  |
| --- | --- |
| **Problem** | **Solution** |
| Some parts of the preview image are blank, some parts are normal. | Possibly the graphics drivers may not be installed, please install the latest graphics drivers. |