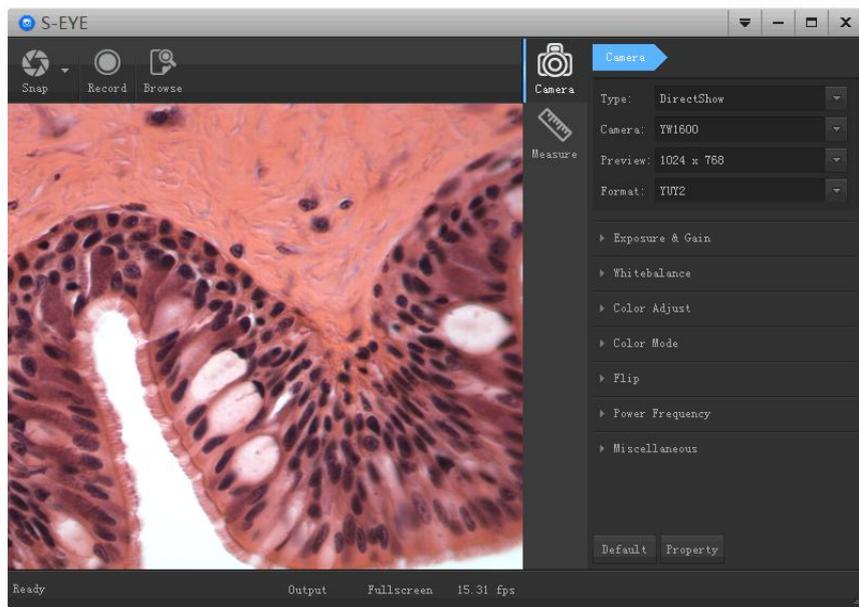


# S-EYE User Manual

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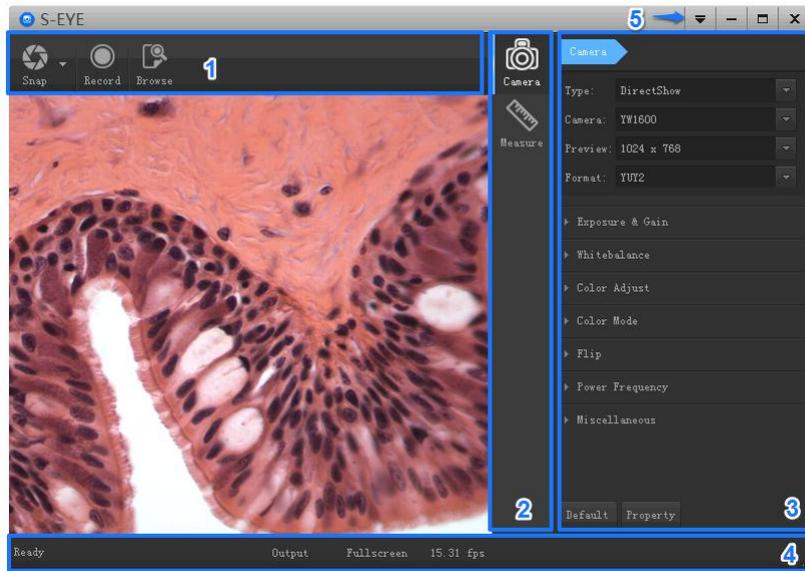


## Overview

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, Toggle measure result panel.
5. Main menu: Open setting dialog, show software information, etc.

## Capture Images

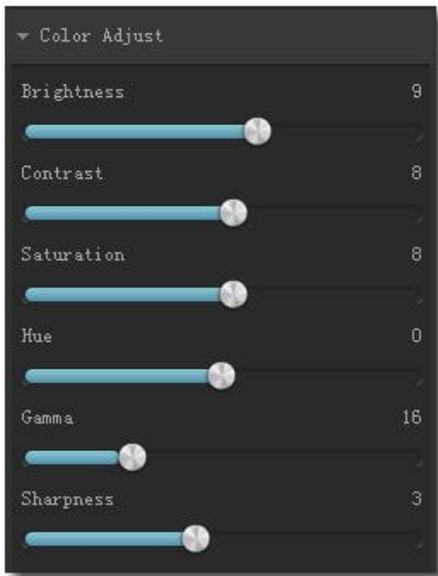
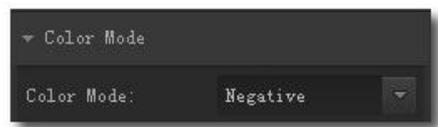
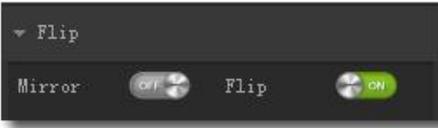
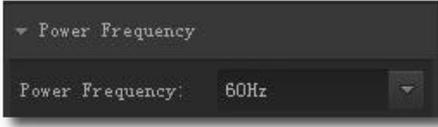
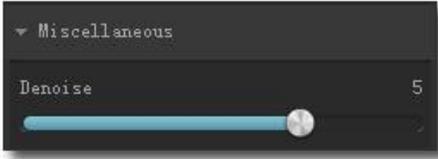
You can capture pictures and videos:

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
	<p>Device Control:</p> <ul style="list-style-type: none"> <li>● Select a camera currently connected.</li> <li>● Set preview size and image format.</li> </ul>
	<p>Exposure and Gain:</p> <ul style="list-style-type: none"> <li>● Toggle automatic and manual exposure control.</li> <li>● Change exposure time.</li> <li>● Change gain value.</li> <li>● Change auto exposure target brightness.</li> </ul>
	<p>White balance:</p> <ul style="list-style-type: none"> <li>● Toggle automatic or manual white balance.</li> <li>● One push white balance.</li> <li>● Change color temperature.</li> <li>● Change red/gain/blue gain value.</li> </ul>

	<p>Normal camera parameter adjustment.</p>
	<p>Color mode</p>
	<p>Flip image vertically and horizontally.</p>
	<p>Power frequency: To avoid image flicker, you may need change this parameter.</p>
	<p>Decrease the noise from the image.</p>
	<ul style="list-style-type: none"> <li>● Reset camera parameters.</li> <li>● Open camera property dialog if it existed.</li> </ul>

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

## Measurement

Icon	Function	Description
	<p>Move</p>	<p>Move or adjust the measurement tool.</p>
	<p>Point</p>	<p>Draw a marker over the image.</p>

	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.

## Hot Keys

Action	Hotkey
Take a capture	ENTER
Start or stop recording	F9
Enter or exit full screen mode	F11

## Troubleshooting

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

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For more product messages and manual, please kindly download from the official website of our  
company

<http://www.hayear.com>