›

VisualCam

USER MANUAL

macOS V1.1

Index

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Introduction

The VisualCam is a versatile educational visualizer software, specially designed for visualizers. It provides a full-screen window and various annotation functions that allow you to add annotations directly to the live window using free-hand drawing tools. You can enable mask or spotlight modes, zoom and rotate the image, freeze the live video, change the resolution, and adjust brightness. This powerful visualizer software enables you to easily present or pre-record teaching materials in multiple ways, such as taking snapshots, recording videos using picture-in-picture, scanning documents, creating stop motion videos, comparing images using split-screen, or utilizing the interactive whiteboard function..

WARNING:
This visualizer software ONLY works with specific document camera models. If you are using 3rd party products this software may NOT work.

System Requirements

To ensure the performance of this document camera, the following hardware system requirement is needed:

|	
CPU	Compatible with Intel Macs Recommended Apple® M1/M2 Chip Macs
RAM	8GB RAM minimum, 16GB RAM recommended.
GPU	Mac computers that support Metal
Hard Disk	The installation and operation of the program requires 1G disk space. You can scan more images if the disk space is bigger. The recommended storage is 20G.
Operating System	macOS 10.15 or later *Earlier versions of the macOS operating system are not supported.
USB	USB port

NOTE: The system requirements and compatibility can change over time, depending on the operating system and updates from macOS®.
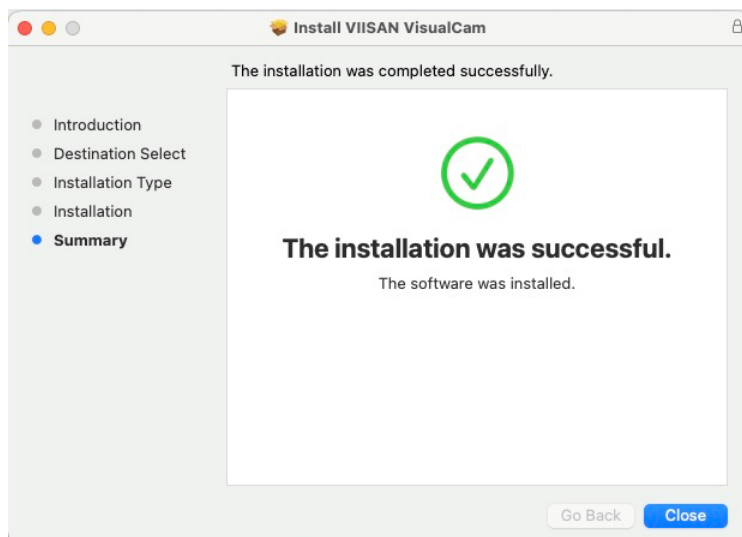
Installing the software

Go to the https://www.viisan.com/en/download/type4.html to download the VIISAN VisualCam for Mac software.

VIISAN_VisualCam_1.1(367).pkg
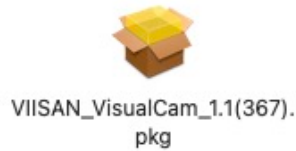
1. Click the *.pkg installer and follow the onscreen instructions to complete the installation.
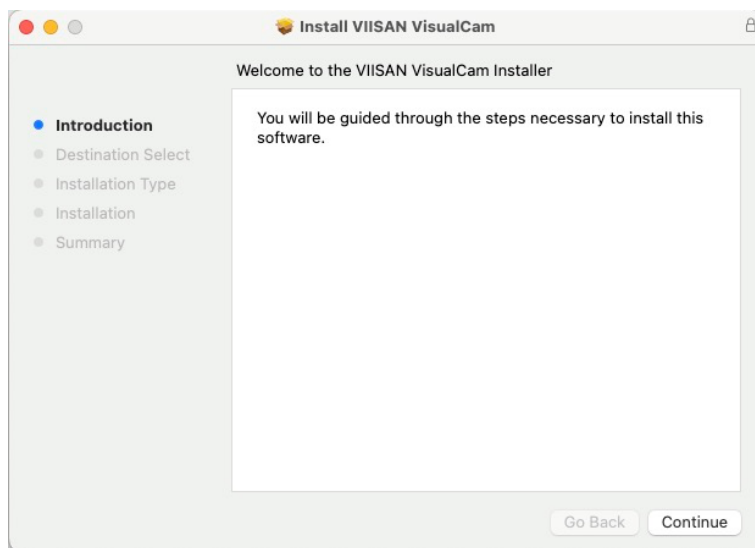
2. Click **[Close]** to exit the program when the installation completed successfully.

Uninstalling VIISAN VisualCam

To remove VIISAN VisualCam from your macOS:

• Click Finder and open the Applications folder.
• Drag VIISAN VisualCam to the Trash and then the VisualCam will be removed from your macOS.

Note: the VIISAN VisualCam preferences are not removed by dragging VIISAN VisualCam to the trash can, in case you should want to re-install the software later on.

To remove the preferences:
In the Finder's Go menu, press and hold Alt.
Click Library > Library > Application Support.
Drag the VIISAN VisualCam icon to the trash.

Getting Started

To launch the VIISAN VisualCam app, go **Applications** folder and click on the VIISAN VisualCam app.
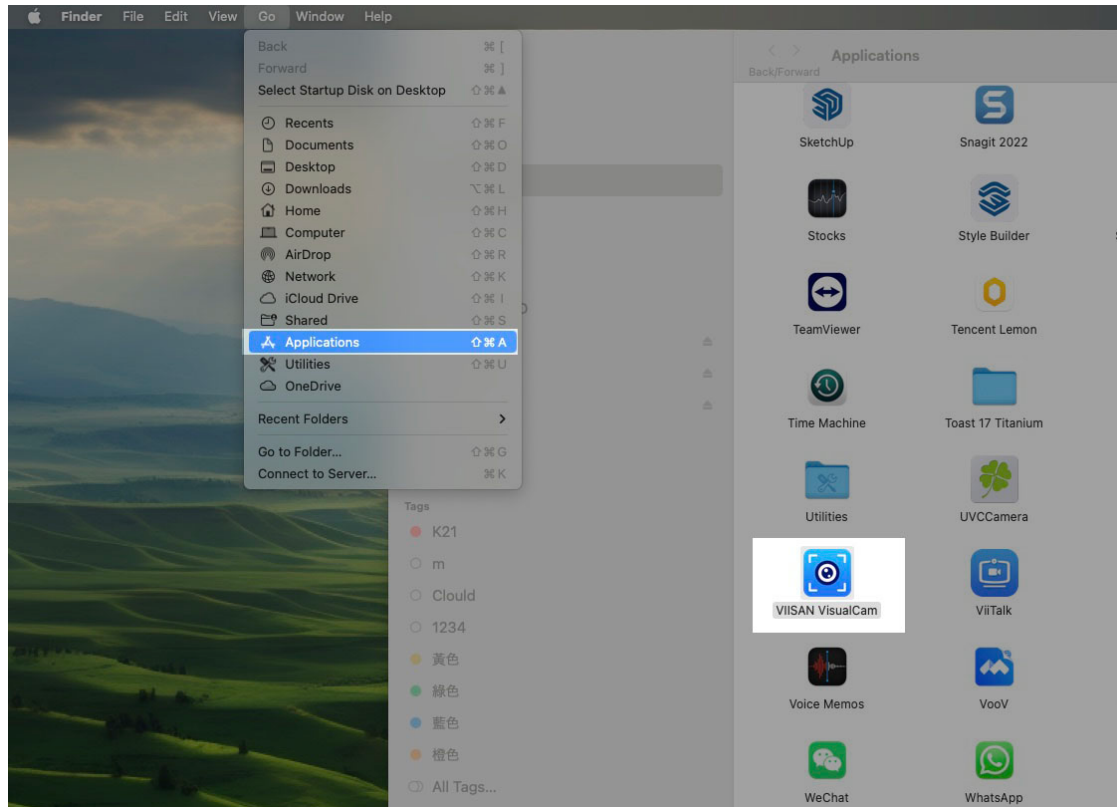
To enhance the ease of launching the VIISAN VisualCam app, you can simplify the process by pinning the app to the macOS Dock. This can be achieved by dragging the VIISAN VisualCam application to the Dock.

When VIISAN VisualCam app is launched the first time, you should see a registration menu appears and you can click the URL https://www.viisan.com/en/productReg.html to register your product or click 'OK' to enter the app.
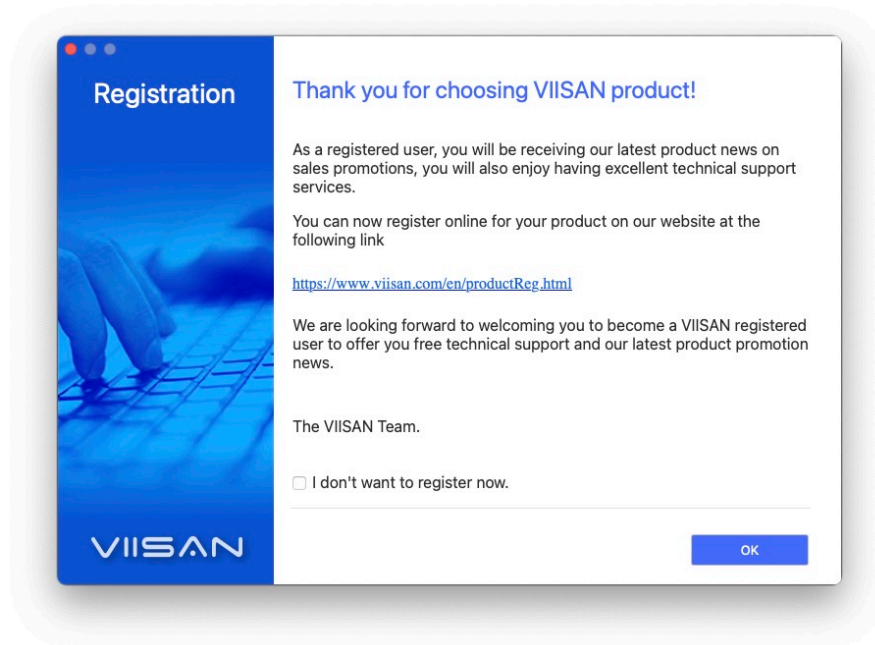

NOTE: If you don't want to see the registration window every time you launch the app, you can click below checkbox.

When the document camera is connected to the Mac, it automatically goes to Visualizer live video mode.
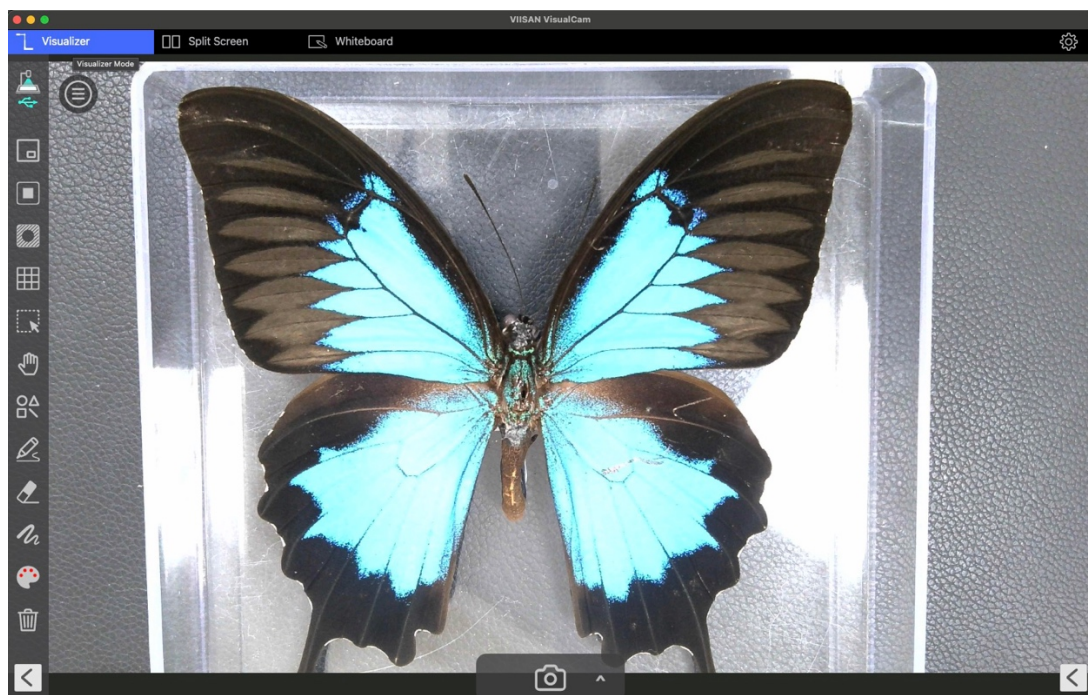
NOTE: If you don't see the real-time preview video from the camera device and a [**Detecting devices…**] message is displayed in the middle of the main window as below, please double check the following items sequentially.
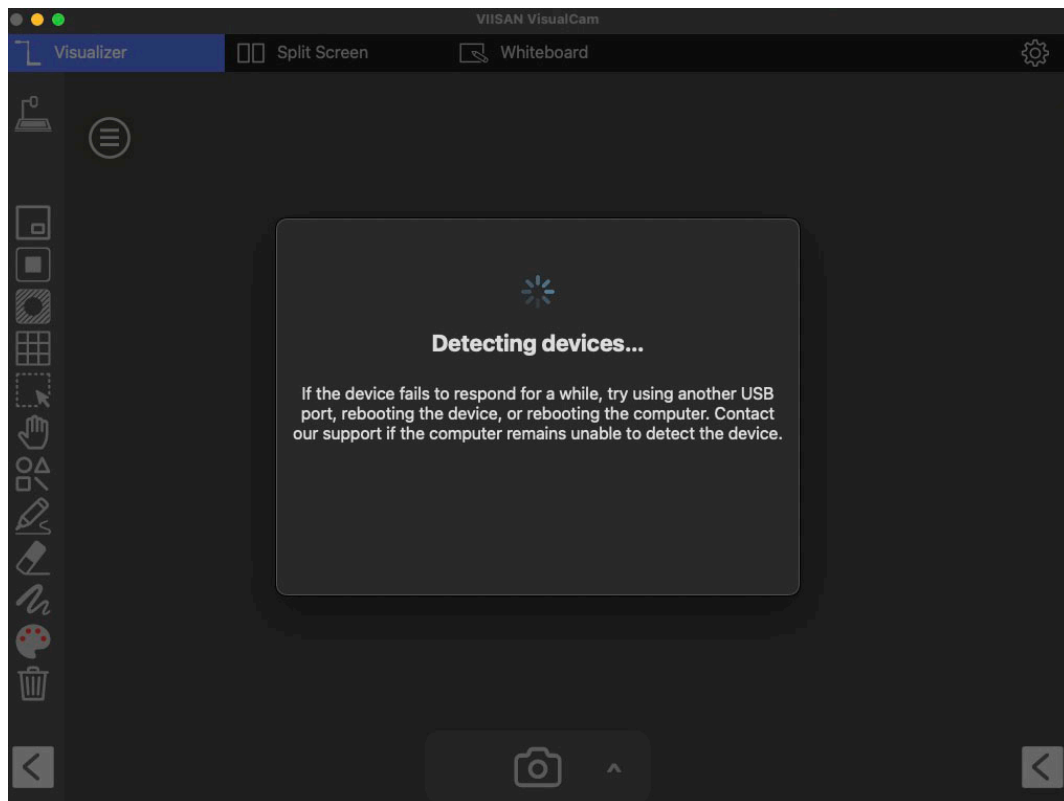

- Check the USB connation

Go macOS system report and ensure the macOS has recognized the "Document Camera" under the USB Device Tree. If the device is not be detected, please try to contact with other USB port.
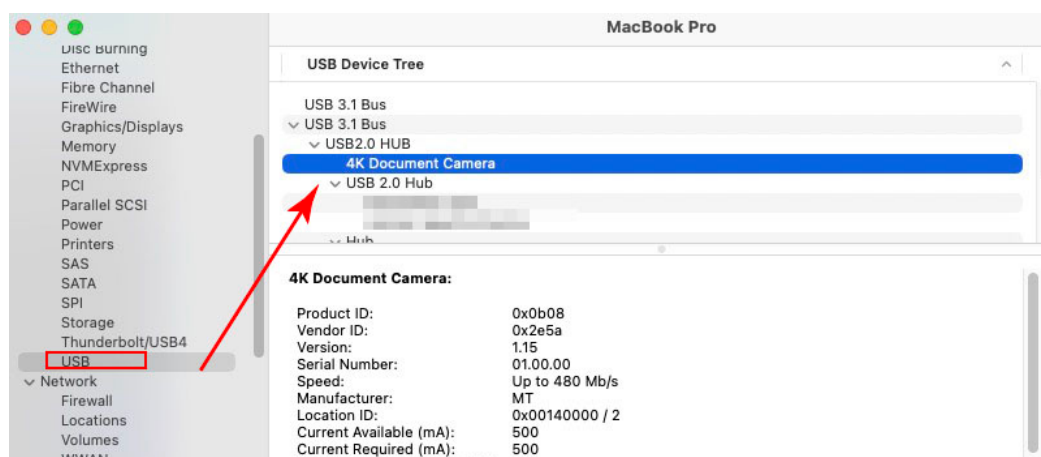

**- Check the 'Privacy & Security' permission settings**

Go to the System Settings control panel and select the 'Privacy & Security' option to verify whether the Camera & Microphone permission is turned on, allowing the VIISAN VisualCam app to access the document camera.
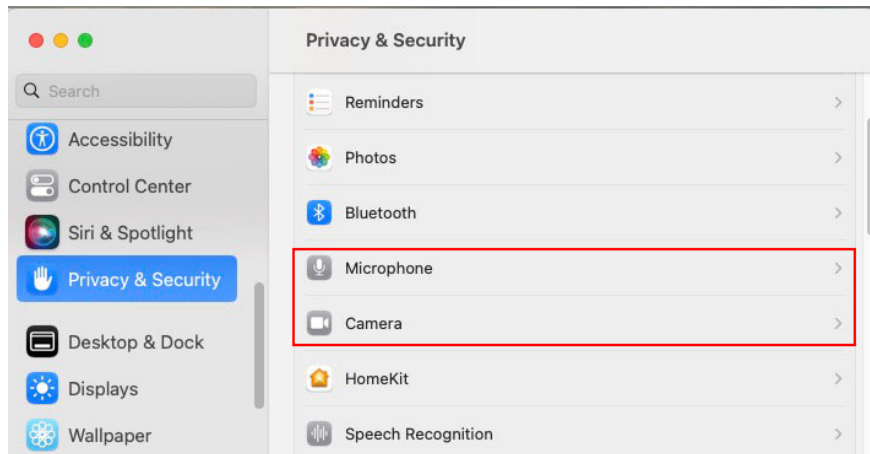
Make sure the "Microphone" option is turned on, allowing the VIISAN VisualCam app to access the document camera's microphone.
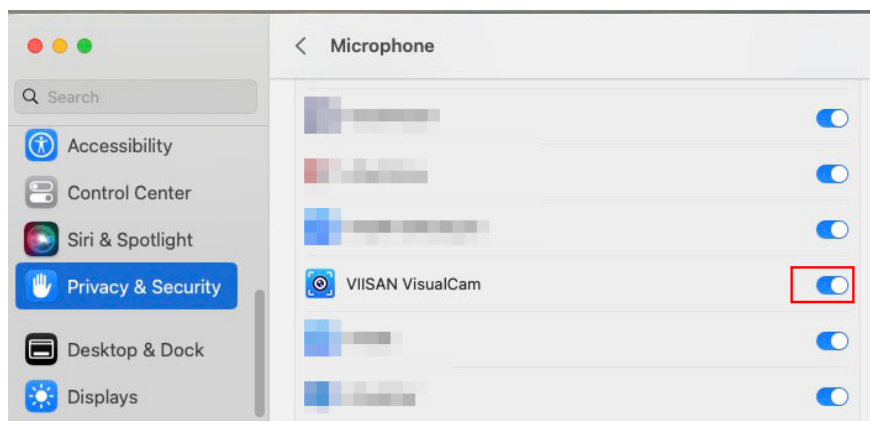
Make sure the "Camera" option is turned on, allowing the VIISAN VisualCam app to access the document camera.
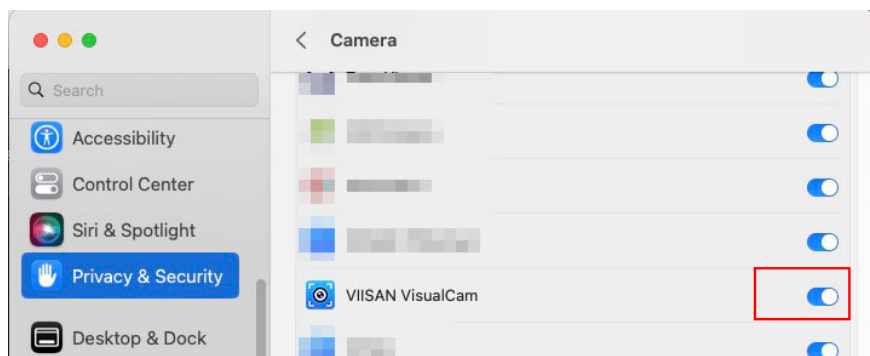

- Check Document Camera is not occupied by other applications
If the Document Camera is being used by other applications, it will prevent the VisualCam software from accessing the document camera video. To enable the video feed, please close any third-party camera applications.

Operation Interface Description

The following is the description of the VisualCam software operation interface.
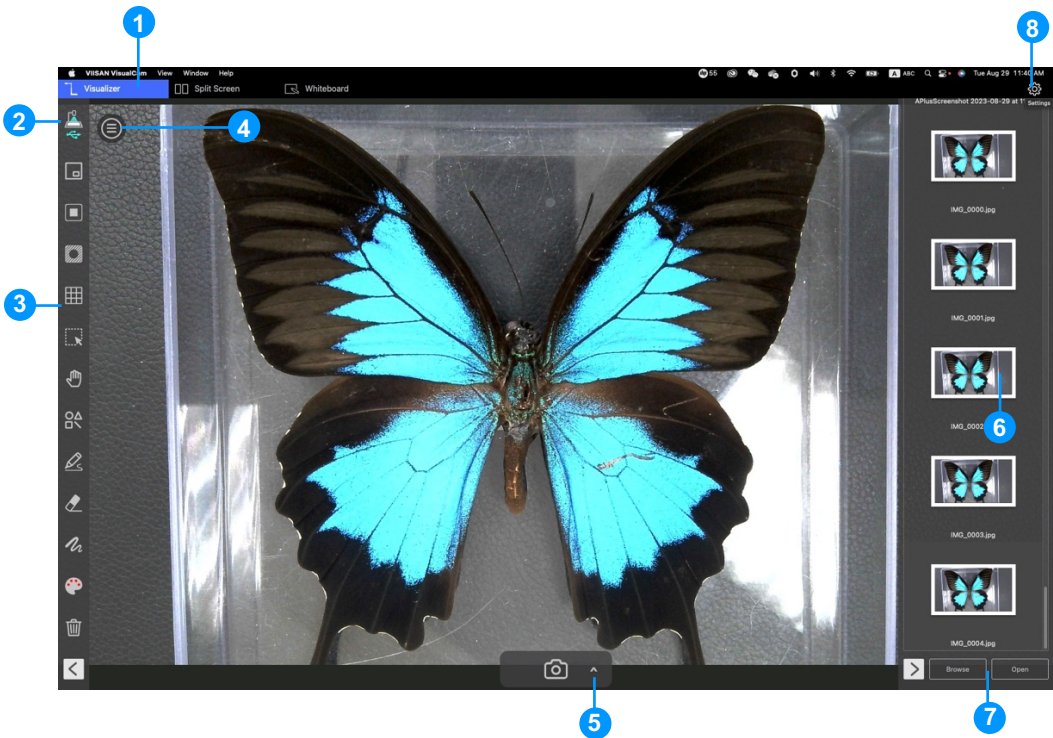

1. Function Tabs

VIISAN VisualCam software integrates three major functions. You can switch each function by clicking on the tab.
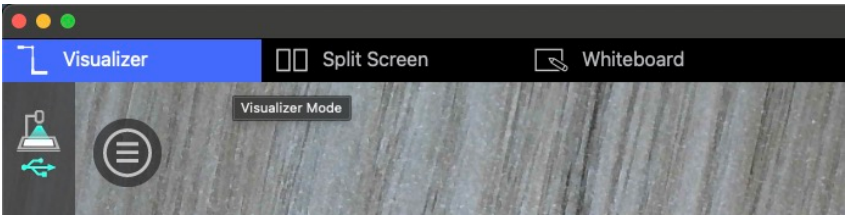
Mode	Descriptions
Visualizer	Showing the live video perceived by the document camera.
Split Screen	With the Split-Screen, you can connect two document cameras on your computer and present them split-screen.
Whiteboard	Allows you to draw and annotate anything on an interactive whiteboard.

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2. Select Connection

In the upper left corner, you can click the ⌂ icon to choose the device connection method.
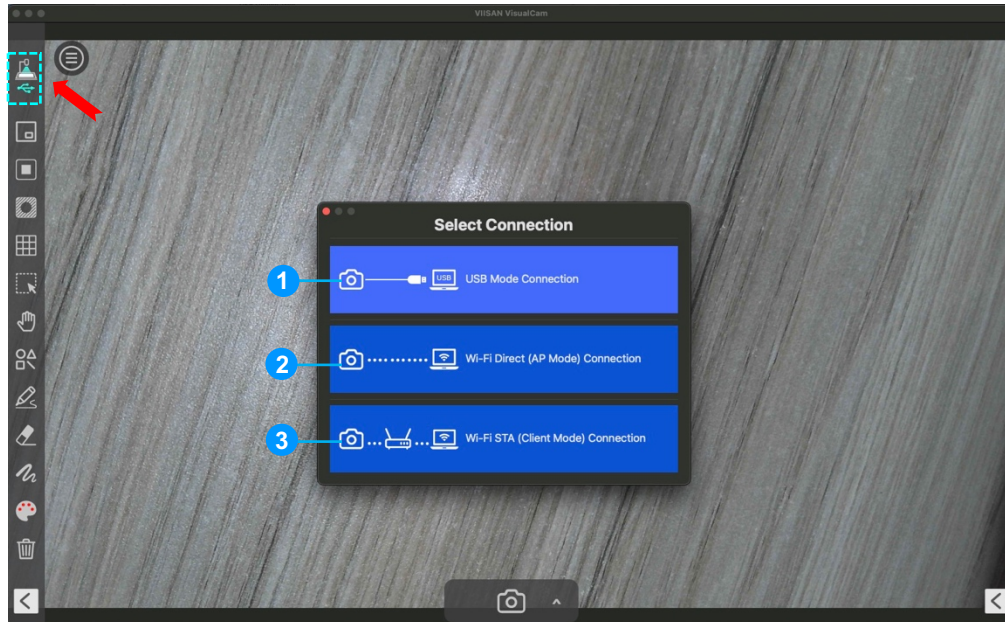
Item	Icon Status	Descriptions
1		**USB mode connection. (Default)** This mode allows you to connect the document camera by USB wired connection.
2		**Wi-Fi p2p (AP Mode) connection.** This mode allows you to connect the document camera directly without an internet connection., *NOTE: This connection only available for the Wi-Fi model.*
3		**Wi-Fi STA (Client Mode) connection.** This mode allows you to connect the document camera through a router. *NOTE: This connection only available for the Wi-Fi model.*

3. Left Toolbar

On the left side toolbar, there are many useful control tools available.

Icons	Descriptions
	Picture-in-Picture Enable picture-in-picture mode

	Mask Enable the mask mode in solid or translucent style
	Spotlight Show spotlight by using the rectangle or ellipse style
	Gridlines Show gridlines on screen
	Select Select the annotation or object on the screen
	Move Move the screen
	Shape Tool Add the shapes
	Rectangle Tool Draw a rectangle
	Draw a rectangle in solid style
	Ellipse Tool Draw an ellipse
	Draw an ellipse in solid style
	Triangle Tool Draw a triangle
	Draw a triangle in solid style
	Line Draw a line
	Dotted line Draw a dotted line
	Single arrow Draw a single arrow
	Double arrow Draw a double arrow
	Smooth Pen Draw and write by using the Smooth Pen
	Highlighter Pen Draw and write by using the Highlighter Pen
	Disappearing Pen Draw and write by using the Disappearing Pen *NOTE: It allows to set the disappearing time (3, 5, 10, 20 seconds)*
	Line Option Set the line thickness of annotation.

	Color Option Choose the color of annotation, shape, and text tools.
	Text Tool Add the texts
	Eraser Erase annotation on the screen
	Clear All Clear all annotations on the screen
	Show/Hide Show and hide toolbar

4. Image Adjustment Menu

Click on the icon to expand the image adjustment menu, you can use the following tool to adjust the live video on the preview window.
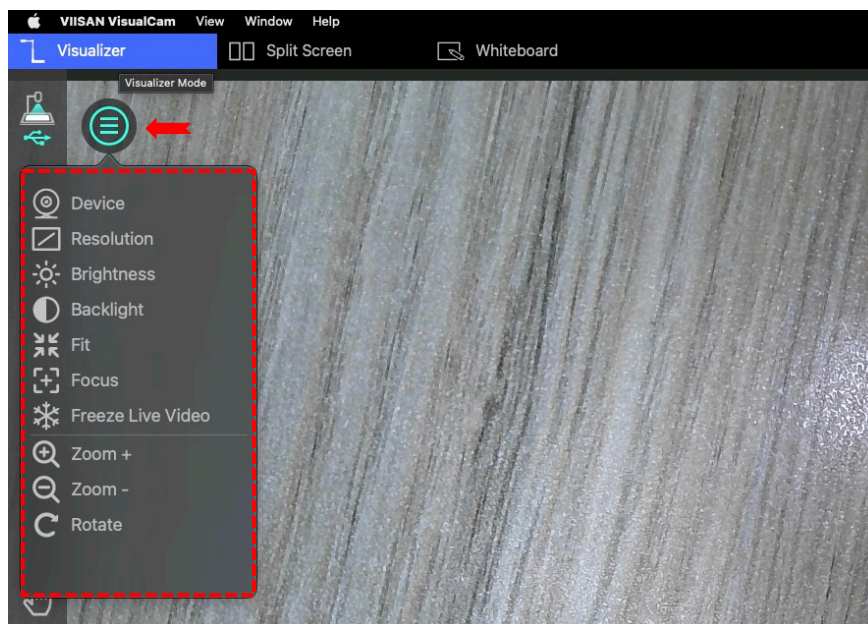
Icons	Descriptions
	Select the device and switch power frequency (50/60Hz)
	Set the resolution
	Adjust brightness
	Adjust backlight NOTE: This Function only available on specific model

(lamp icon)	Turn on/off the lamp in 3-level (Leve1, Leve 2, Level 3) NOTE: This Function only available on specific model
(expand icon)	Show 1:1 image / Fit Screen
(auto focus icon)	Auto Focus Adjust the best focal length.
(snowflake icon)	Freeze video
(zoom in icon)	Zoom in image
(zoom out icon)	Zoom out image
(rotate icon)	Rotate image by 0°, 90°, 180°, 270°, Flip or Mirror

5. Capture Button Settings

Click on the up-arrow (icon) icon at the middle lower button to switch the capture mode.
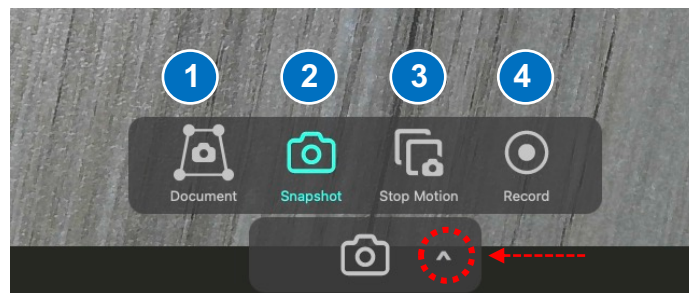
Mode	Descriptions
1	Scan & Cropping Documents
2	Take Snapshot (Default selection)
3	Create Stop Motion video
4	Record Video

6. Thumbnail List

Right click on a thumbnail on the right-side output listing of the main window, you will see the following options.
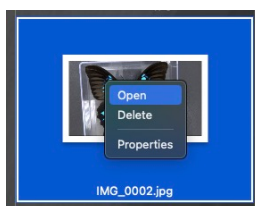
Right Click Options	Explanations
Open	Open file
Delete	Delete a file
Properties	Show file information

7. File Save Path Settings

On the bottom right of the main window, there are options for setting the directory for saving files:
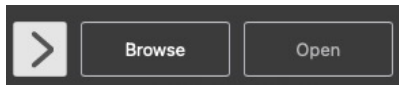
Button	Explanations
Browse	Browse the save destination
Folder	Open the file save location

8. Settings menu

General Settings:

Click the ⚙ icon on the upper right corner to entry to the settings page.

General Settings:
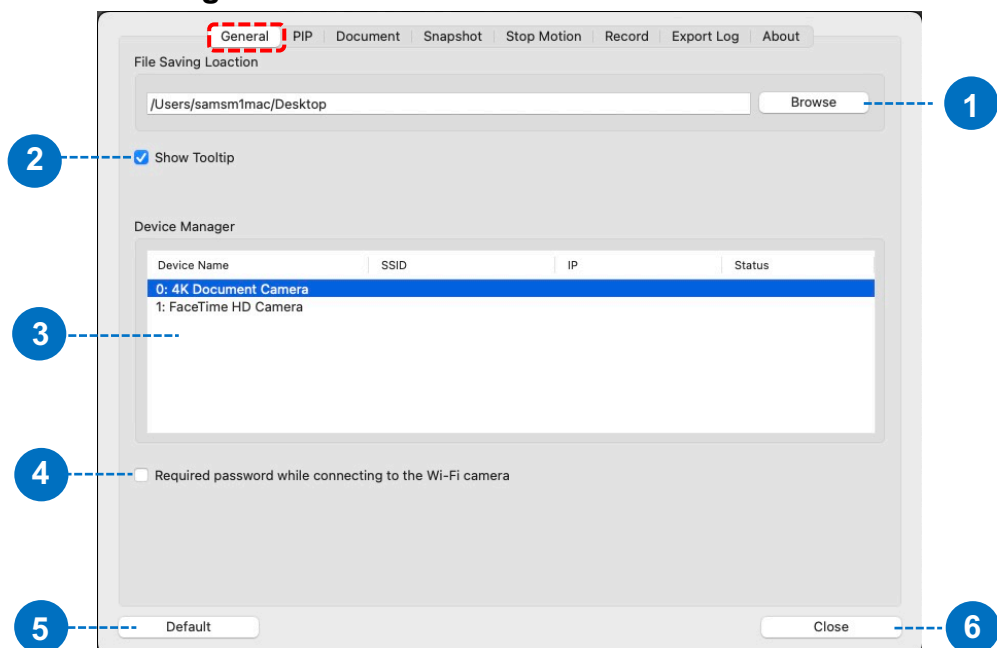
1	Set the file saving location
2	Enable to show tooltip when mouse hover on a function button
3	Display the current devices connection status
4	Required password while connecting to the Wi-Fi document camera. Note: This function only works with specific Wi-Fi document cameras.
5	Restore to default value
6	Close and exit the settings menu

PIP Settings:
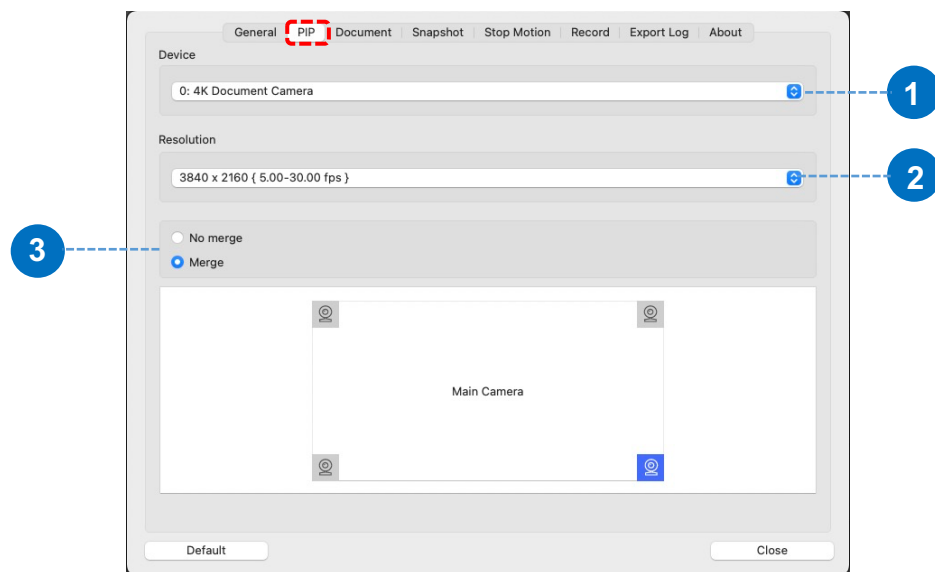
1	Select the camera device
2	Set the camera resolution
3	Toggle the merging of the main camera screen with the 2nd camera. This function allows you to select the corner of the main screen where the webcam feed will be merged.

Document Settings:
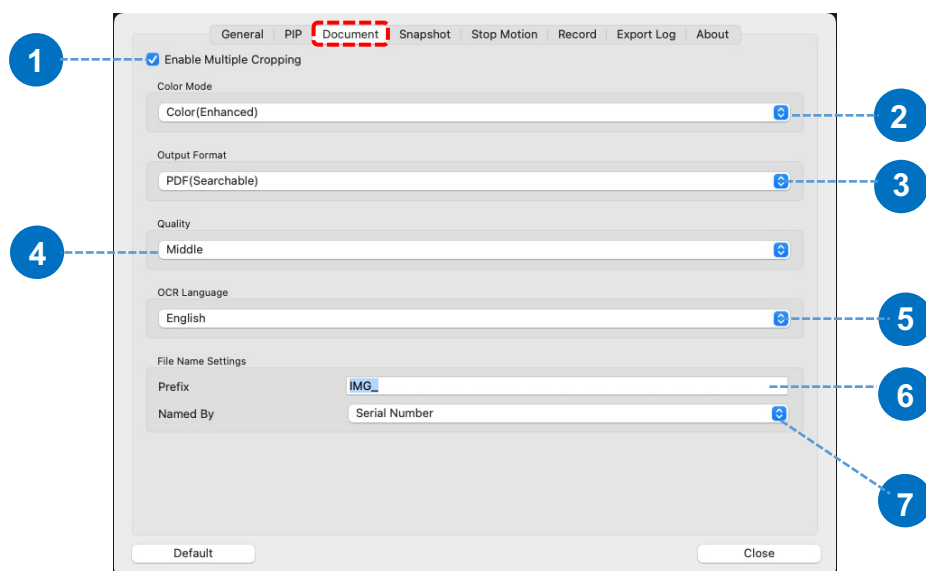
1	Enable or disable the multiple cropping.
2	Set the color mode: Color, Color Enhanced, Grayscale, B/W, B/W (document)
3	Set document output format: JPG, PDF, PDF (Searchable), PDF (Text)
4	Set the image compression quality
5	Set the OCR language, the default is "Auto"

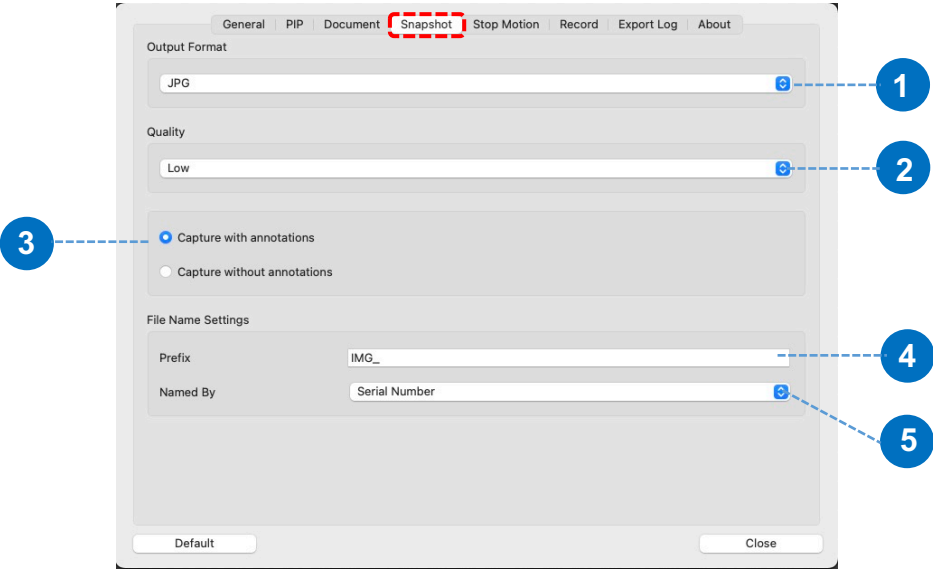| 6	Set the prefix of file name
7	Set the file name for format by serial number or by date & time

Snapshot Settings:

| 1	Set the image file output format (JPG, BMP, PNG, TIF)
2	Set the image compression quality. (Low, Middle, High)
3	Set the capture with annotations or without annotations
4	Set the prefix of file name
5	Set the file name for format by serial number or by date & time

Stop Motion Settings:
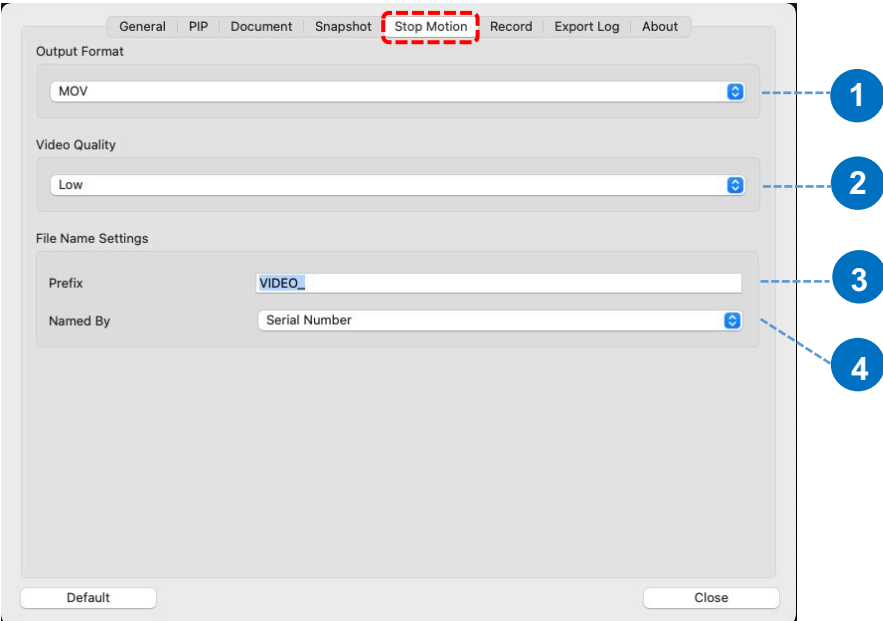
| 1	Set the video file output format (MOV, MP4)
2	Set the video compression quality. (Low, Middle, High)

3	Set the prefix of file name
4	Set the file name for format by serial number or by date & time

Record Settings:
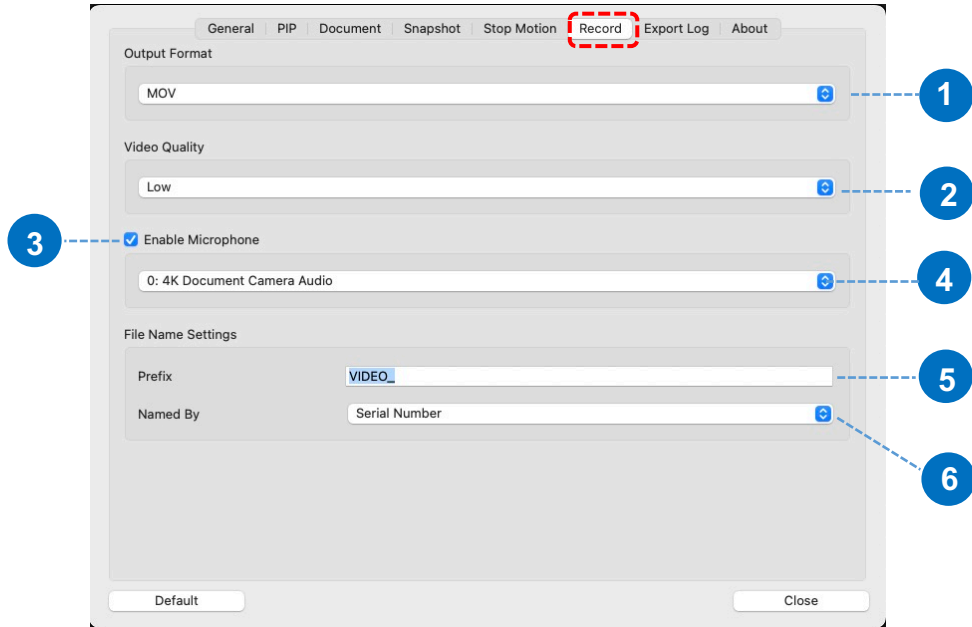
1	Set the video file output format (MOV, MP4)
2	Set the video compression quality. (Low, Middle, High)
3	Enable or disable microphone
4	Select microphone
5	Set the prefix of file name
6	Set the file name for format by serial number or by date & time

Export Log Settings:
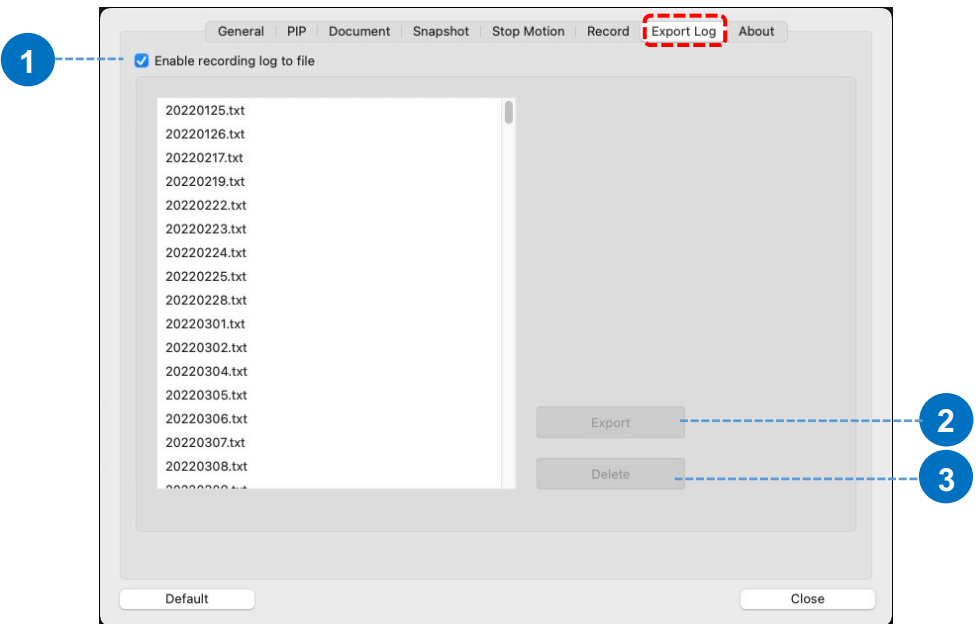
1	Enable or disable recording log to file (Default is checked)
2	Export log file with you selected
3	Delete log file with you selected

About page:
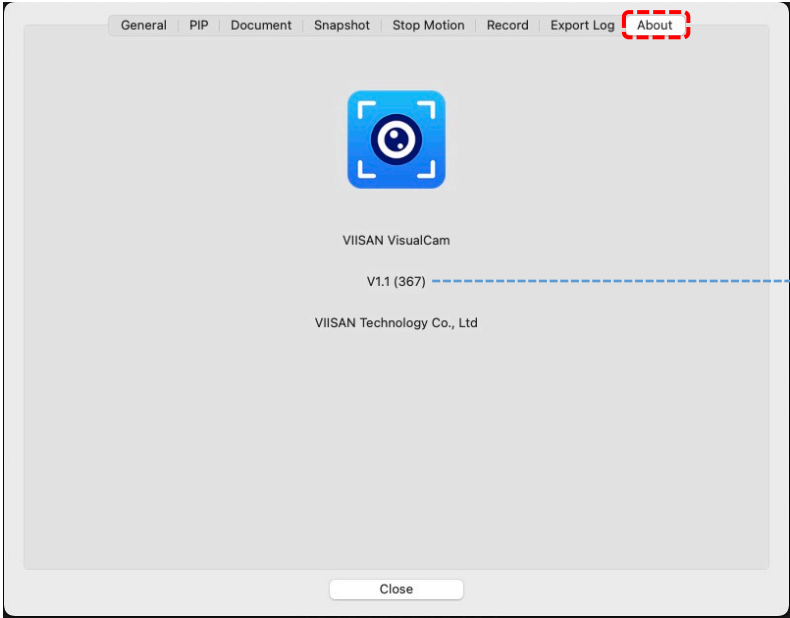
1	Display software version

Visualizer Mode Description

The visualizer mode allows presenting the live view by the document camera. There are many useful functions available listed on the left toolbar. All of them can enhance your presentation!

Left-side toolbar function

Icons	Descriptions
	Picture-in-Picture Click on the PIP icon at the left-side toolbar to enable picture-in-picture mode, you can move the sub-screen window location or resize of the frame. NOTE: This function only available on a built-in webcam Mac.

	Mask Click on Mask to enable the mask mode in black (Opaque) or translucent style, you can drag the cursor to enlarge or shrink the Mask area to the desired size. Black (Opaque) style.　　　　　Translucent style
	Spotlight Enable spotlight in rectangle or ellipse style, you can adjust the size and change the spotlight in black (Opaque) or translucent style. Ellipse style　　　　　Rectangle style
	Gridlines Show gridlines on screen
	Select Select the annotation or object on the screen
	Move Move the screen
	Shape Tool Add the shapes.

	Smooth Pen
	Draw and write by using the Smooth Pen
	Highlighter Pen
	Draw and write by using the Highlighter Pen
	Disappearing Pen
	Draw and write by using the Disappearing Pen
	NOTE: It allows to set the disappearing time (3, 5, 10, 20 seconds)
	Line Option
	Set the line thickness of annotation.
	Color Option
	Choose the color of annotation, shape, and text tools.
	Text Tool
	Add the texts
	Eraser
	Erase annotation on the screen
	Clear All
	Clear all annotations on the screen
	Show/Hide
	Show and hide toolbar

Image Adjustment Menu

Click on the ⊜ icon to expand the image adjustment menu, you can use the following tool to adjust the live video on the preview window.
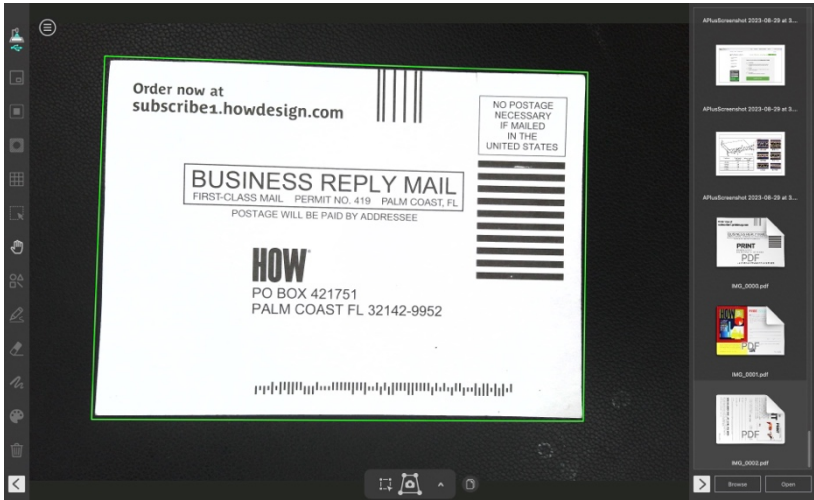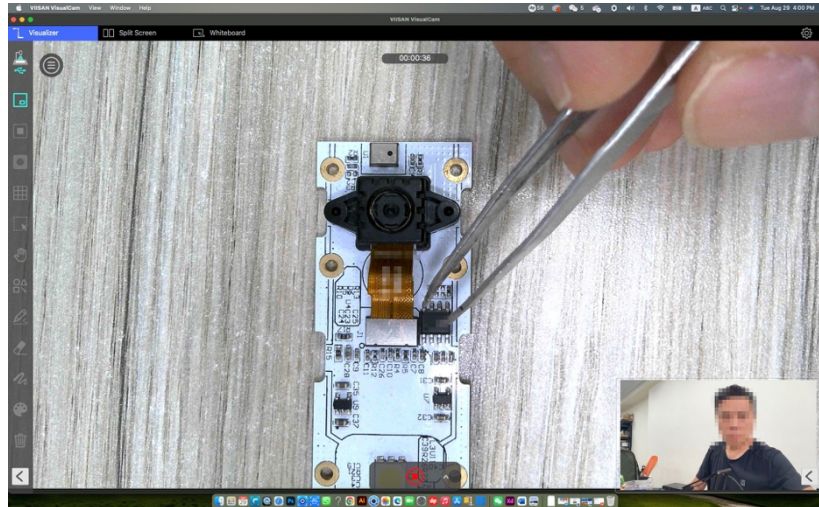
Icons	Descriptions
	Device Select the device and switch power frequency (50/60Hz) ⊙ Device 0: 4K Document Camera Power Line Frequency ○ 50 Hz ● 60 Hz
	Resolution Set the resolution
	Brightness Adjust the brightness
	Backlight Adjust the backlight. NOTE: This Function only available on specific model
	Lamp Turn on/off the lamp in 3-level (Leve1, Leve 2, Level 3) NOTE: This Function only available on specific model
	Display 1:1 image / Fit Screen
	Auto Focus Click once to autofocus
	Freeze video Click to freeze the video / Click again to unfreeze the video
	Zoom in image
	Zoom out image
	Rotate image by 0°, 90°, 180°, 270°, Flip or Mirror

Select Capture Mode

Click on the up-arrow ![up-arrow] icon at the middle lower button to switch the capture mode.

Mode	Descriptions
1	The Document mode provides auto-detection and cropping features for scanning with documents, you can also enable ![icon] manually select the desired capture area. Additionally, you can save the scanned images as either JPG or PDF files. The feature also includes a multi-language OCR function, allowing you to extract text from documents in different languages. In addition: you can click the multi-page icon ![icon] to enable the multiple pages continuous scanning, once finished scan, click icon ![icon] to export all the scanned image and merge into one PDF file.
2	The snapshot mode allows you to take photo with annotation or w/o annotation, you can save the scanned image in JPG, BMP, PNG, or TIF format.

3	The stop-motion video feature provides a live preview with a semi-transparent ghost image overlay that allows you to see the next shot and make even the tiniest of adjustments before capturing the frame.
4	The Video mode provides record with high-quality video in MOV or MP4 format. Click once to start recoding Click again to stop recoding

Split-Screen Mode Description

With the Split-Screen function, you can connect two document cameras to your computer and present them by splitting two live screens and you can even compare still image with live video.
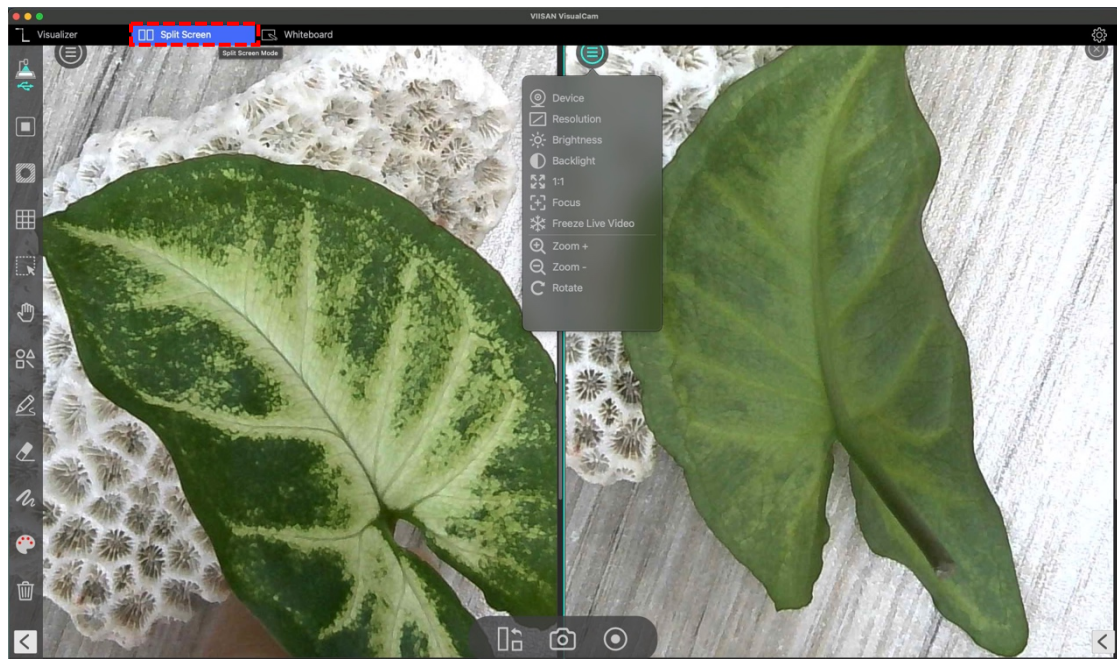
The action buttons of split-screen mode

The split-screen provides three action buttons for taking screenshots, recording screens, and changing the display layout.
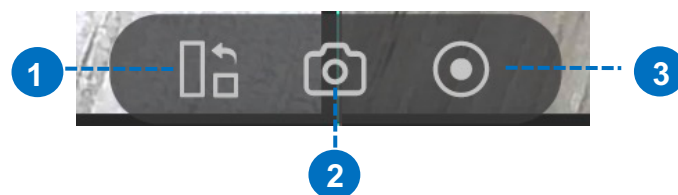
item	icon	Descriptions
1		**Shuffle** Change the display layout
2		**Screen Capture** Take the screenshot of split-screen
3		**Screen Recording** Take the screen recording of split-screen

Compare with two live screens.

To compare with two live screens, please click the ⊜ icon on the right-side window to expand the image adjustment menu then select the "Device" option.
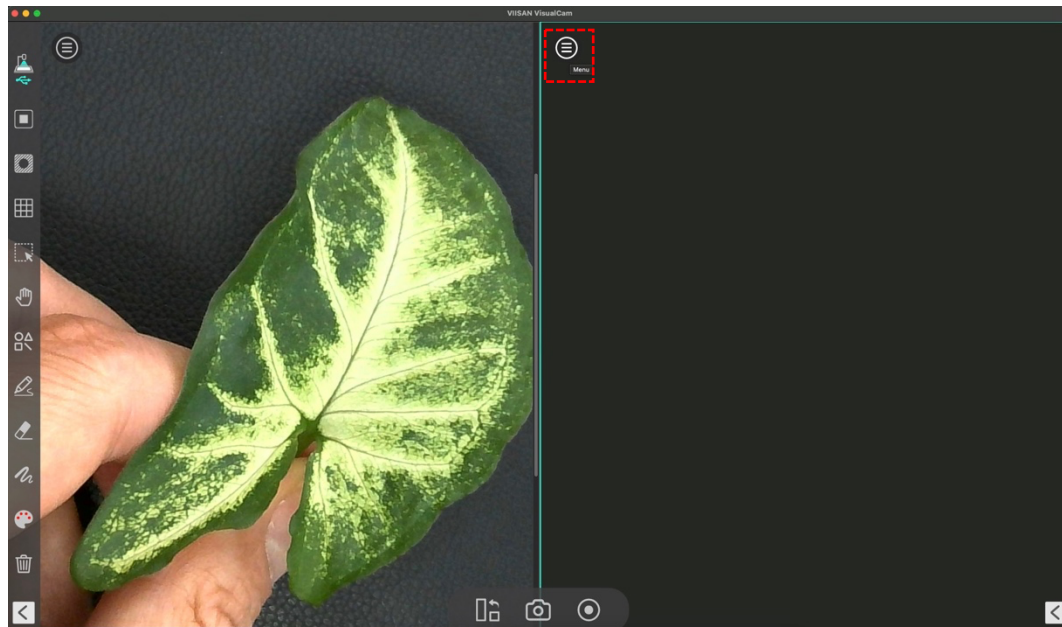
Select camera source to your document camera, in this function you can freeze the one-side video and keep the other side in live status.
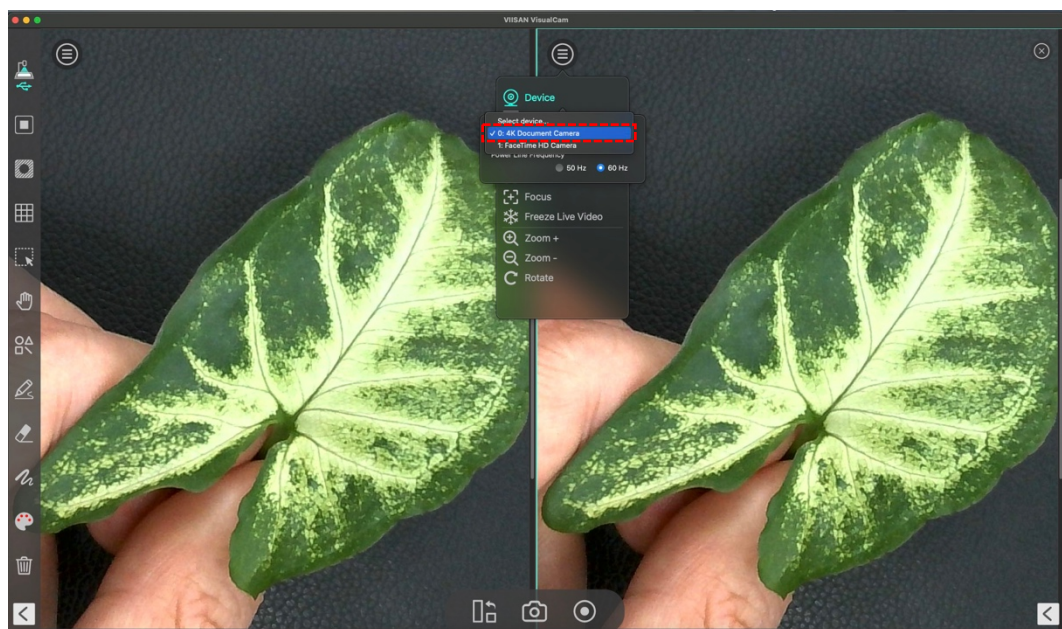
You can also connect 2nd document camera to your computer one camera facing your face, another camera facing down to your demo object.

Compare the images.

Split screen mode allows you to compare multiple images on one screen.

1. Click the Menu button and select "Open".
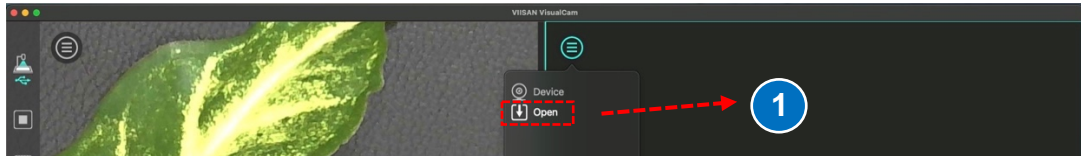
2. Browser the file and insert and image into the compare window.
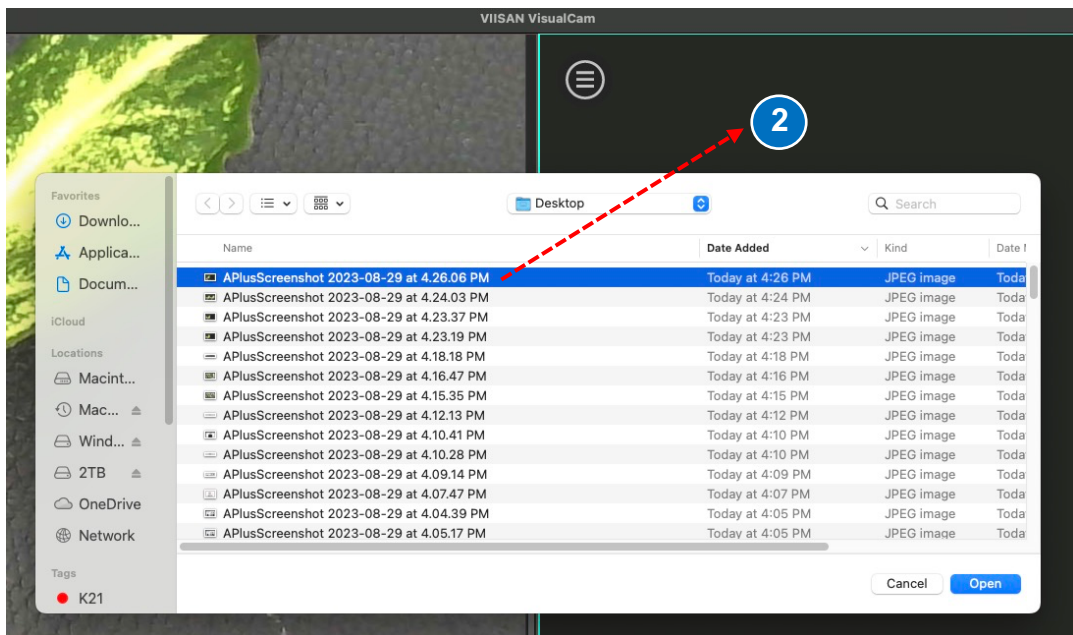
3. You can zoom in/out or rotate the image for the best view.
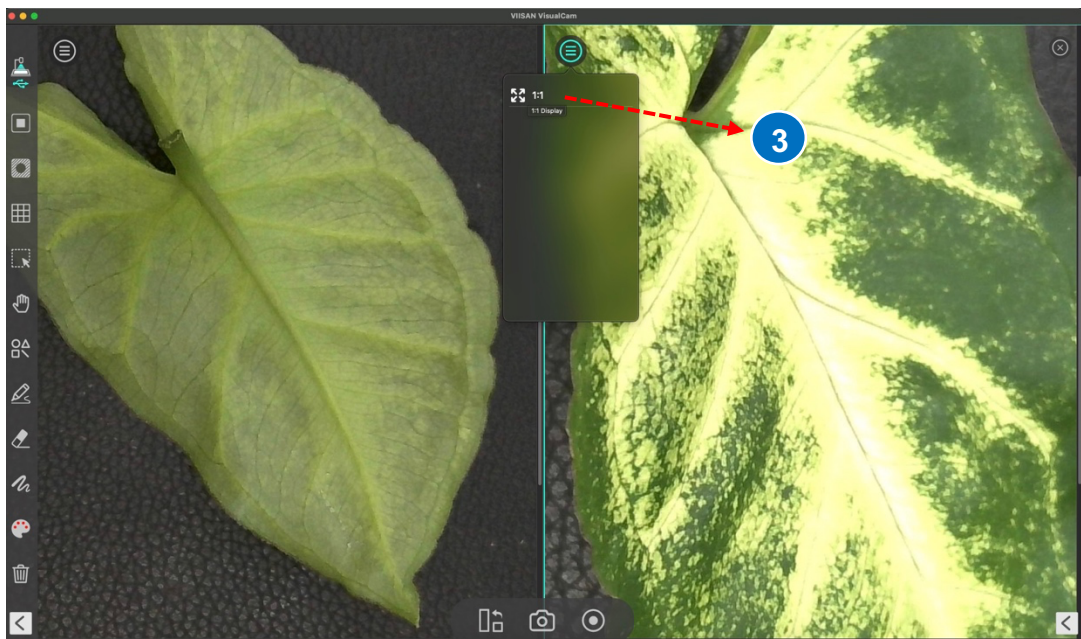
NOTE: The maximum split-screen can only compare with 4 images.

Change the display layout.

The split-screen allows you to change the display layout by clicking of the shuffle button.

Two-split display states
Three-split display status
Quarter-split display status
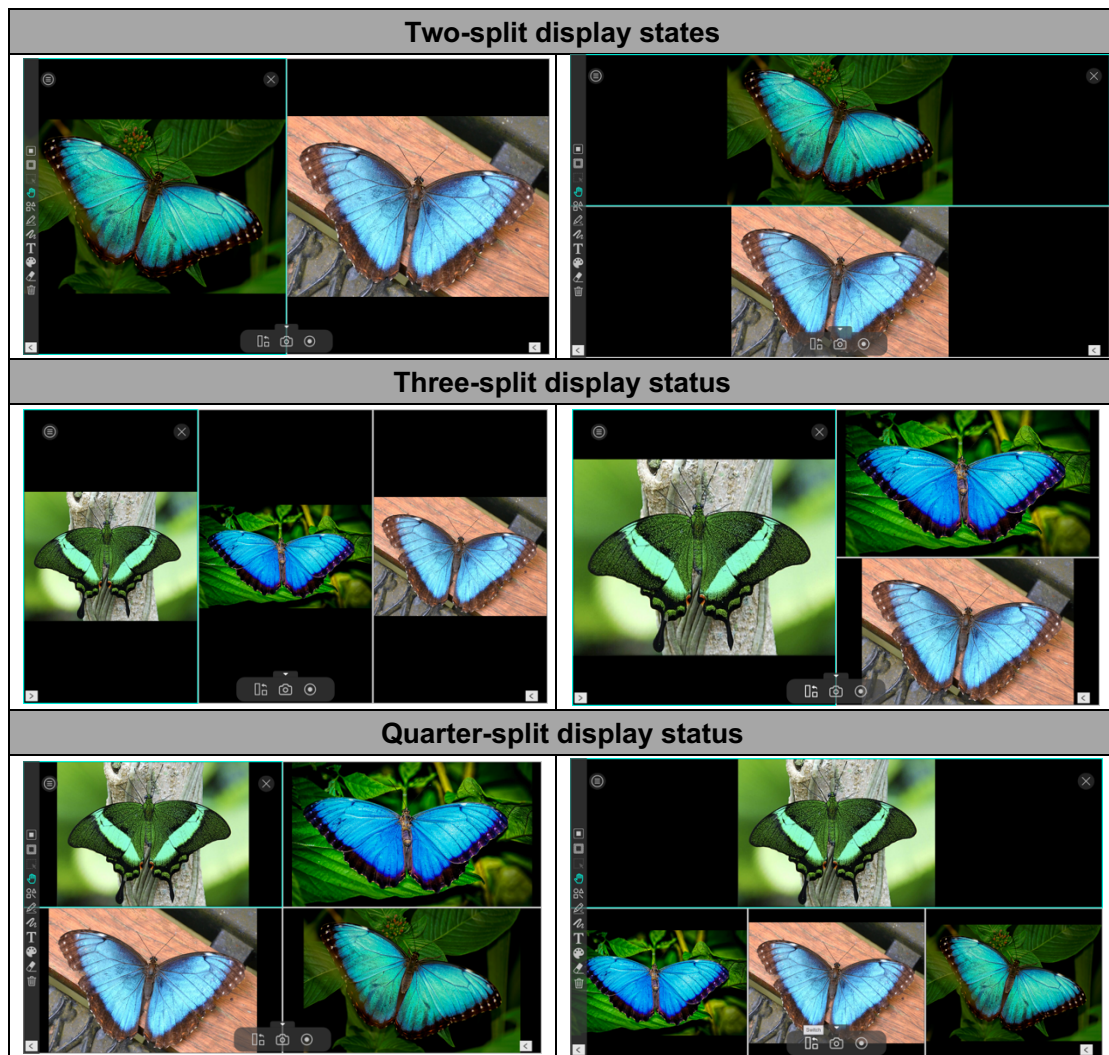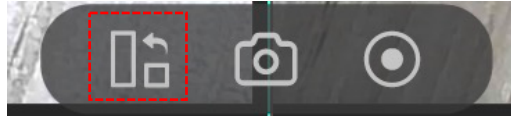
NOTE: If you want to remove one of the split windows, you can direct click on the icon at the top right corner of each split window.

Whiteboard Mode Description

The whiteboard mode allows you to draw and annotate anything on the interactive whiteboard, in this whiteboard function you can drag and drop selected images from the right-side file list to the whiteboard and add annotations to increase your class interactivity.
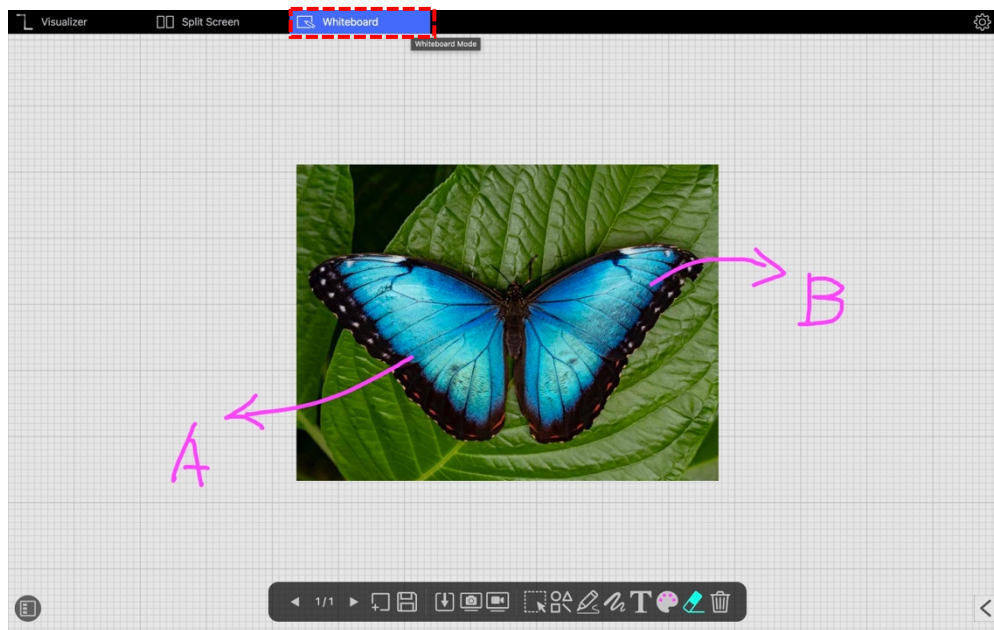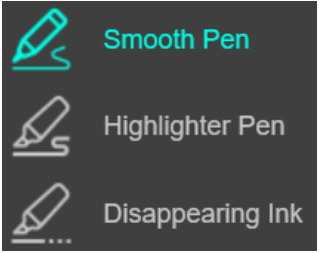
Whiteboard Toolbar Description

Whiteboard mode gives you a multi-page plane with all the drawing tools you need.
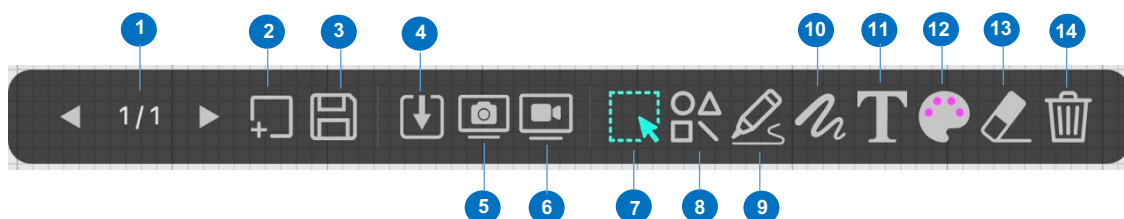
Item	Icons	Descriptions
1	◄ 1/2 ►	**Page up and down** Switch your whiteboard page.
2		**Add a new page.** Add a whiteboard page with a different color background.
3		**Save** Save your current whiteboard pages in a PDF file.

4		**Insert** Insert the image into the whiteboard.
5		**Screenshot** Take a screenshot for your whiteboard.
6		**Screen recording** Record your whiteboard screen.
7		**Select** Select the annotation or object on the whiteboard.
8		**Shape Tool** Add the shapes.
9		**Freehand Tool** In the freehand tool option, you can select a brush style to draw and write on the whiteboard. Smooth Pen Highlighter Pen Disappearing Ink
10		**Line Option** Set the line thickness of annotation.
11		**Text Tool** Add the texts.
12		**Color Option** Choose the color of annotation, shape, and text tools.
13		**Eraser** Erase annotation on the screen
14		**Clear All** Clear all annotations on the screen.

Add an image to the whiteboard.

The whiteboard mode allows you to inset the images into the whiteboard.

1. Click the input icon ⬇️ to select an image.

2. Click "Open" to insert the image into the whiteboard.
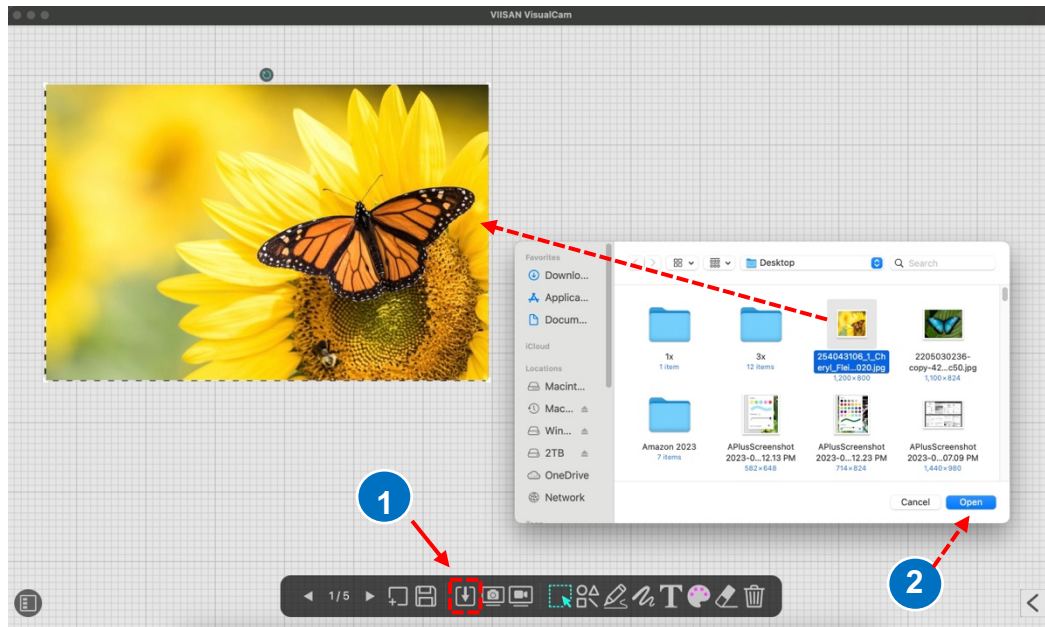
3. You also can place and hold the 🔄 icon to rotate the image or click the cursor to adjust the size.
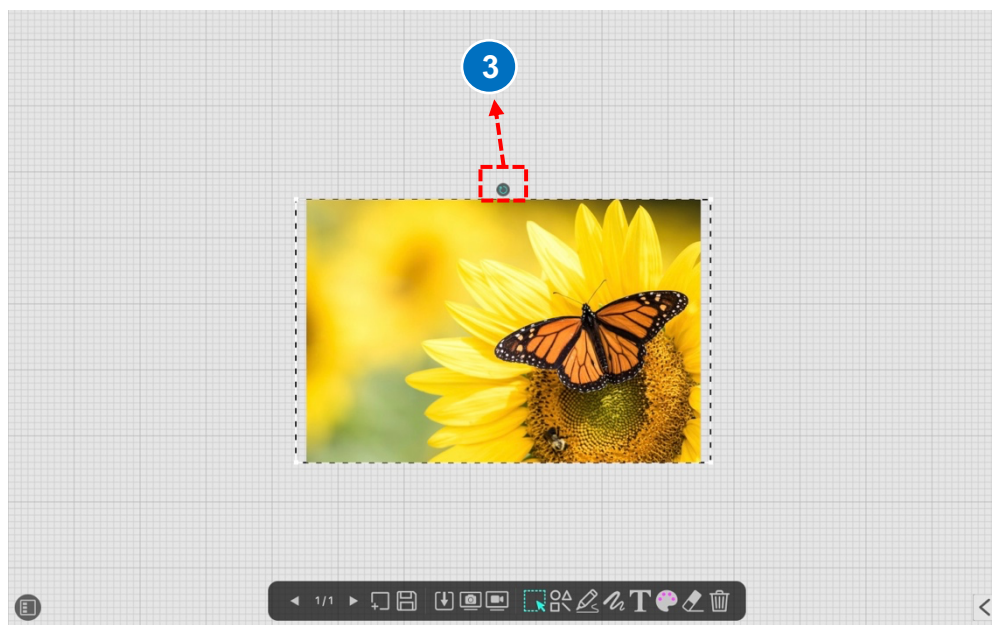
Add a whiteboard page.

To add a whiteboard page, please click on the icon and choose a background color.
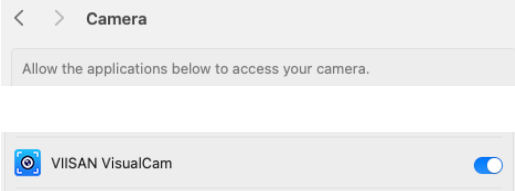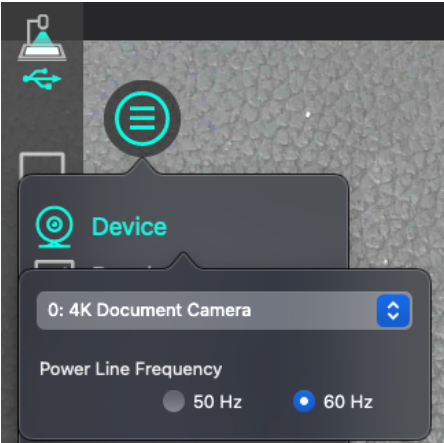
You can also click the icon to expand the thumbnail navigation bar.

Troubleshooting

If the device cannot be detected for a long time, you can try the following.

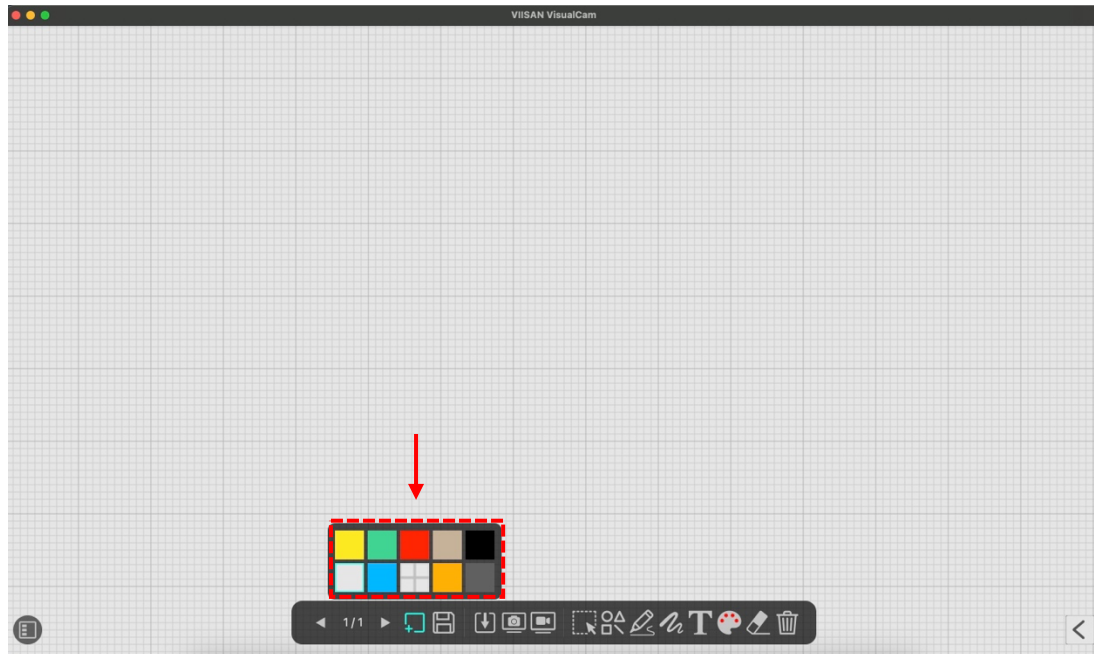| Problem or Issue	Potential Cause	Possible Solutions
Cannot be powered on	The USB cable may not be properly connected to the computer, or the computer may have encountered a system crash.	Re-connect the USB cable with the Document Camera.
		Restart the computer.
No image output after connecting	The document camera is not correctly connected to the computer.	Re-connect the USB cable with the Document Camera.
	Software is not installed on the computer.	Install the bundled software on the computer.
	Application software is incompatible with the document camera.	Use the bundled software to operate the Document Camera.
The device is not being detected	Make sure you are using a supported VIISAN model camera device.	The VisualCam application is exclusively compatible with VIISAN visualizer model cameras. If you are using a third-party document camera, certain features of this software may not function properly.
	Check if the camera is opened by other applications.	Check the Windows/macOS program, if the camera has been occupied by other applications, please exit the application and try again.

	Turn off the virtual machine (macOs).	If your Mac has an installed Windows virtual machine such as "Parallels Desktop", please turn it off and connect the device again.
	For macOS check the "Privacy & Security" option 🖐 Privacy & Security	Ensure you have allowed the 'VIISAN VisualCam' application to access your camera. ‹ › Camera Allow the applications below to access your camera. ◎ VIISAN VisualCam ⬤
The image is fuzzy	The distance of the object is possibly too close to the lens.	Press the AF button to auto focus.
The image does not move	The computer or application software may have crashed.	Restart the computer or application software.
There is camera flickering	Camera flickering problems usually occur when there is a difference between the camera refresh rate setting and the artificial lighting refresh rate of the environment. **NOTE:** Learn more about each country's mains electricity at: https://en.wikipedia.org/wiki/Mains_electricity_by_country	Use the VIISAN VisualCam software "Device setup" to change the camera's Power Frequency (refresh rate). Device 0: 4K Document Camera Power Line Frequency 50 Hz ⬤ 60 Hz

-Contact customer service

if you still need assistance, please contact our customer service at info@viiisan.com
, We would be answered your email questions within 24 hours on business days.

-Product Support

To get further product support, visit our website at https://www.viisan.com/en/support/list.html