

Ideao VisualCam

USER MANUAL

Mac Edition V1.0

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1. Introduction

1.1. About this software

Idea VisualCam is a multi-functional education visualizer software specially designed for visualizers, it provides a full-screen window and various annotation functions that allows you directly add annotations on the live window by using the free-hand drawing tools, enable the mask or spotlight modes, zoom, and rotate the image, freeze the live video, change the resolution, and adjust brightness. With this powerful visualizer software, you can easily present or pre-record any teaching materials in various ways, like taking snapshots, recording videos by enabling picture-in-picture, scanning documents, creating stop motion videos, comparing images by split-screen, or using the interactive whiteboard function.

WARNING:

This visualizer software ONLY works with Idea DC400 and Innex DC500. If you are using 3rd party products this software may NOT work.

1.2. Copyright

- All rights reserved by Fun Technology Innovation Inc. No part of the materials shall be reproduced in any form or by any means without prior written permission.

1.3. Trademarks

- Mac and macOS are registered trademarks of Apple Inc., in the United States and other countries.
- All other products mentioned in this document are trademarks or registered trademarks of their respective owners.

1.4. Disclaimer

- The screenshots in this user's manual were made with macOS Sonoma. If you are using other macOS version, your screen will look somewhat different but still function the same.
- Specifications of this software and contents of this user manual are subject to change without notice. Any modification, error correction, or feature updates made in the actual software may have not been timely updated in this user

manual. User may refer to the actual software itself for more accurate detail. Any misprints, translation errors, or inconsistencies with existing software, will be updated as soon as possible.

1.5. System Requirements

To ensure the performance of your document camera, the following hardware system is required.

CPU	Compatible with Intel Macs Recommended Apple® M1/M2 Chip Macs
RAM	8GB RAM minimum, 16GB RAM recommended.
GPU	Mac which supports 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: System requirements and compatibility may change over time due to updates in the Windows operating system.

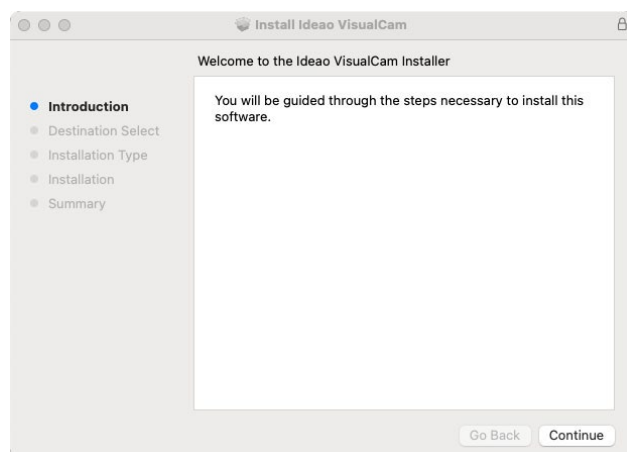
1.6. Installing the software

1. Go to <https://funtechinnovation.com/downloads/> to download the Ideao VisualCam for Mac.
2. Click the **Ideao VisualCam_vxxx.pkg** installer file to install the software.

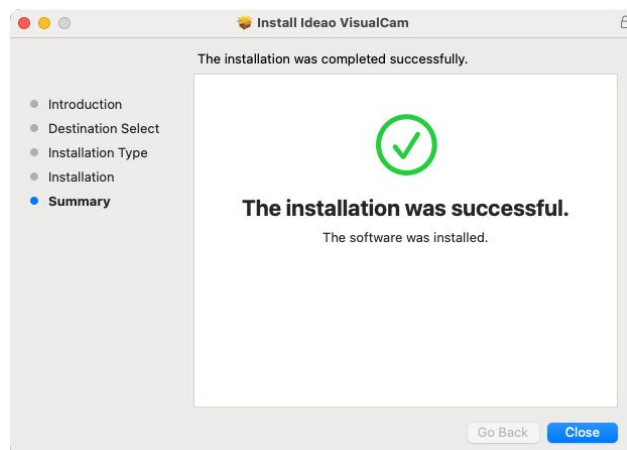


Ideao_VisualCam_v1.0(365)
(1).pkg

3. Follow the onscreen instructions to complete the installation.



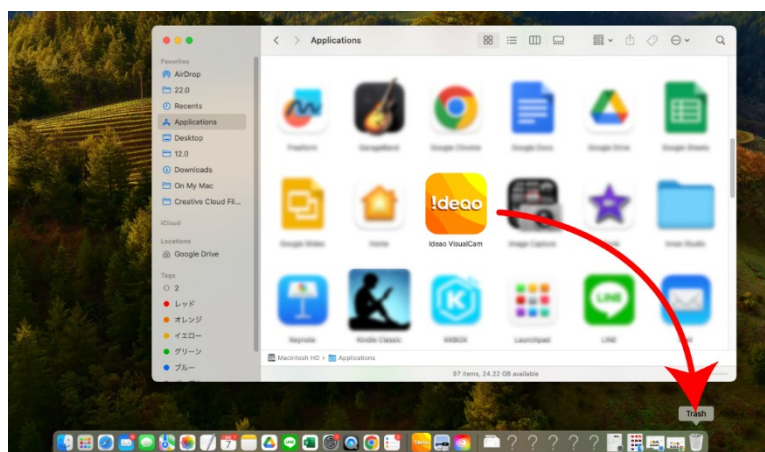
4. Click [**Close**] to complete the installation.



1.7. Uninstalling the software

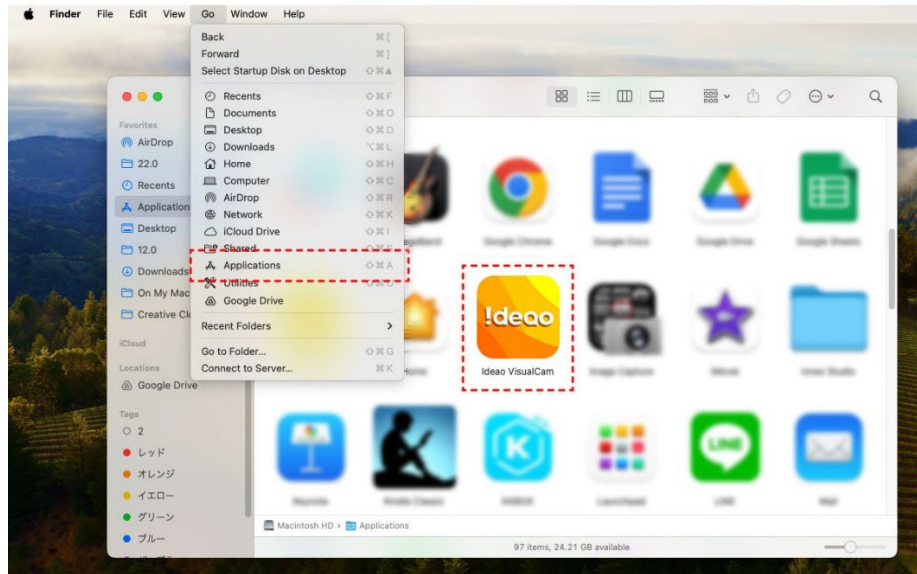
To remove Ideao VisualCam from your macOS:

1. Open Finder and go to the Applications folder.
2. Drag Ideao VisualCam to the Trash. This will remove the application from your macOS.

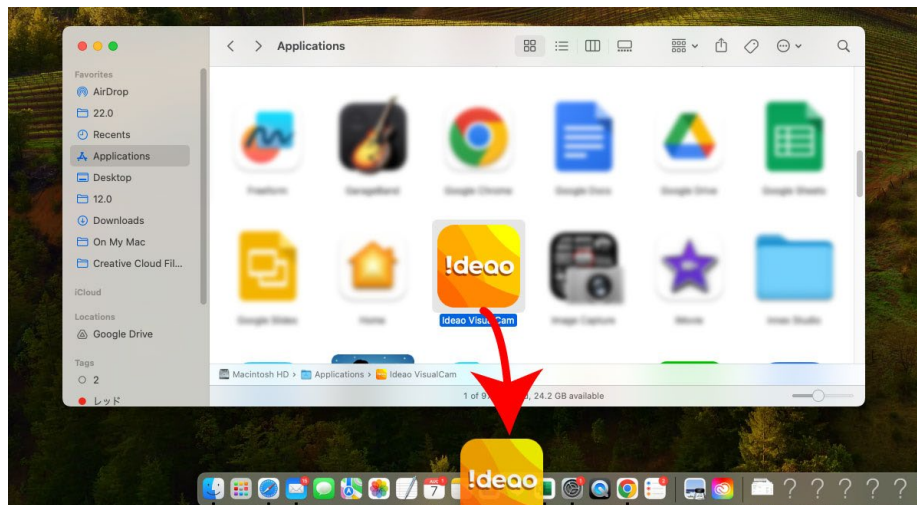


2. Getting Started

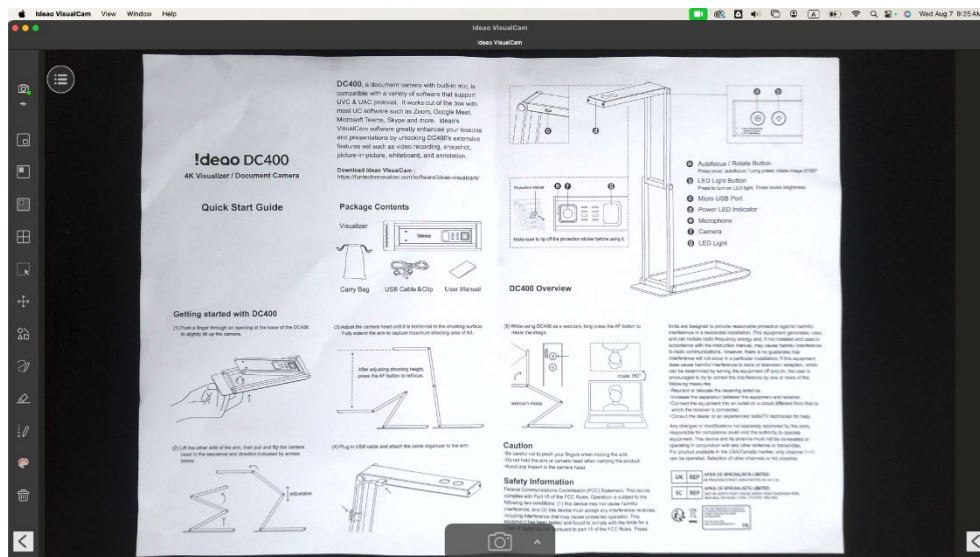
To launch the Ideao VisualCam app, go **Applications** folder and click the Ideao VisualCam app.



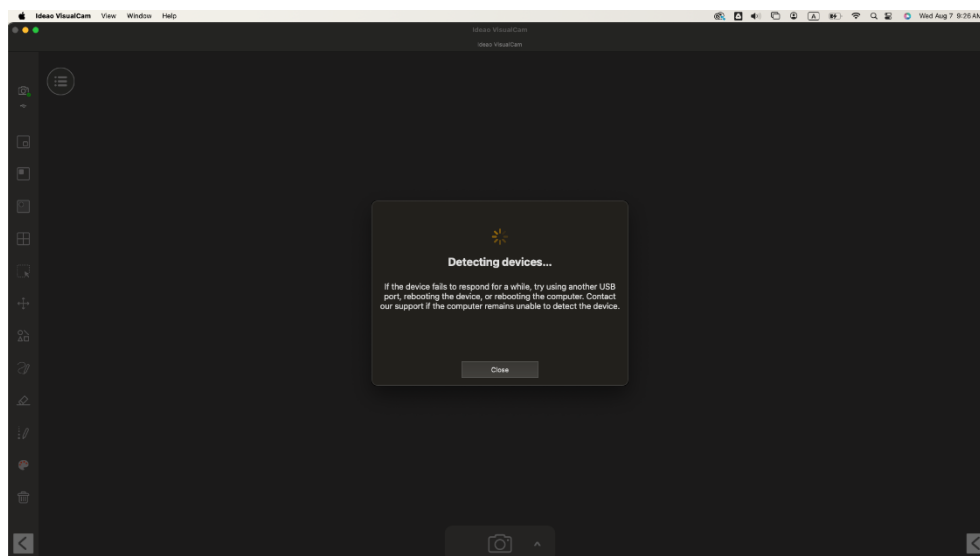
To enhance the ease of launching the Ideao VisualCam app, you can simplify the process by dragging the icon and pinning the app to the macOS Dock.



When the document camera is connected to the Mac, it automatically enters Visualizer live video mode.

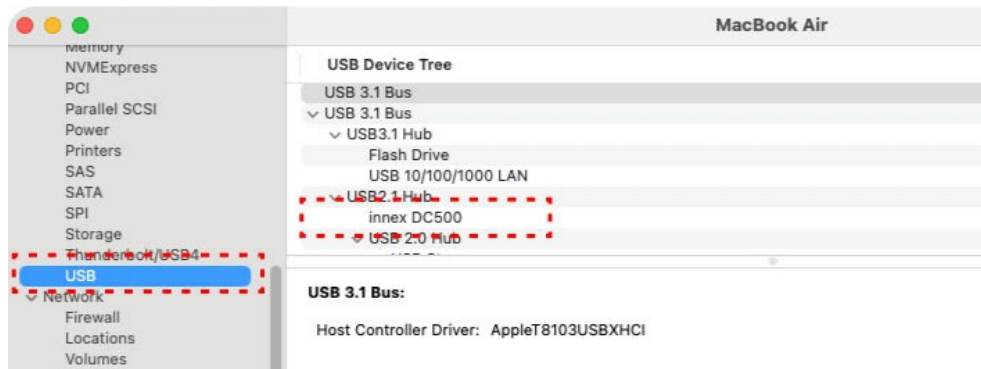


NOTE: If you don't see the real-time preview video from the camera and a **[Detecting devices...]** message is displayed in the middle of the main window, check the following items in sequence.



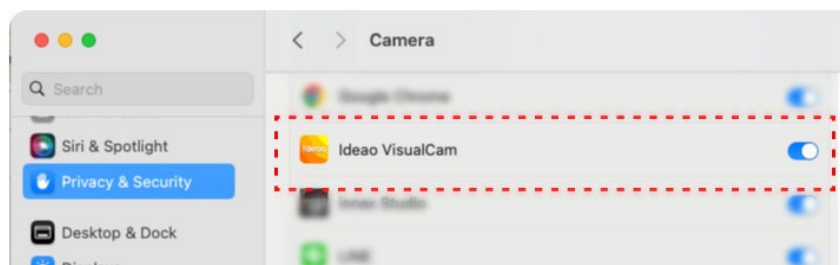
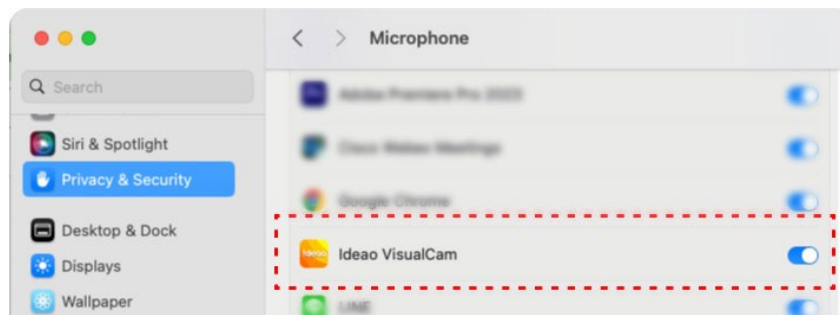
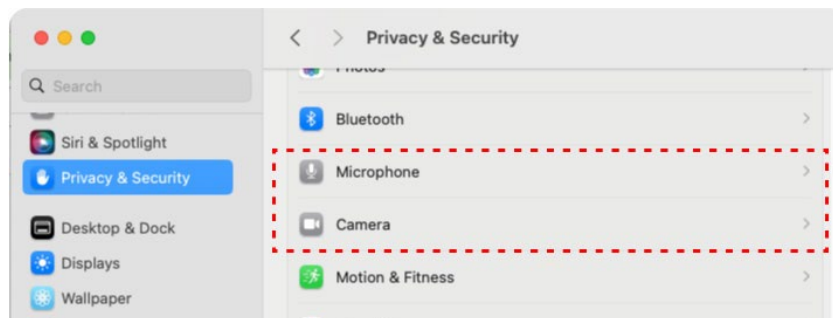
- Check the USB connection

Go to the macOS System Report and ensure that the macOS recognizes the camera under the USB Device Tree. If the device is not detected, please try connecting it to another USB port.



- Check the 'Privacy & Security' permission settings

Go to 'Privacy & Security' in the System Settings control panel and, under the Camera and Microphone permissions, ensure that the Mac allows the Ideao VisualCam app to access the document camera.

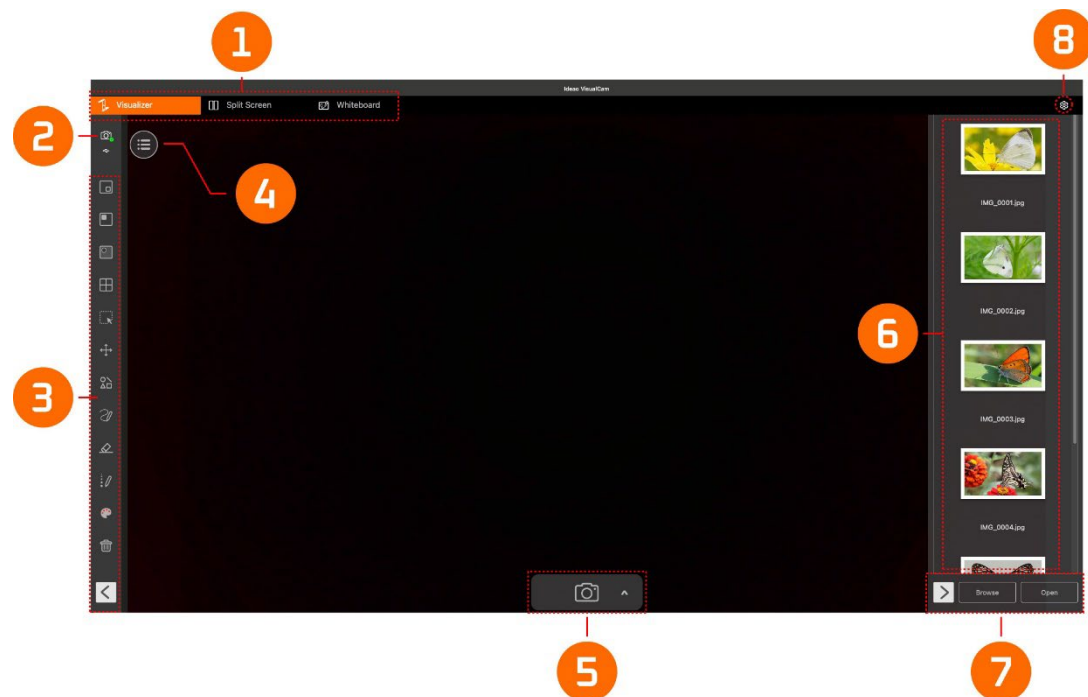


- Ensure the document camera is not occupied by other applications

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, close any third-party camera applications.

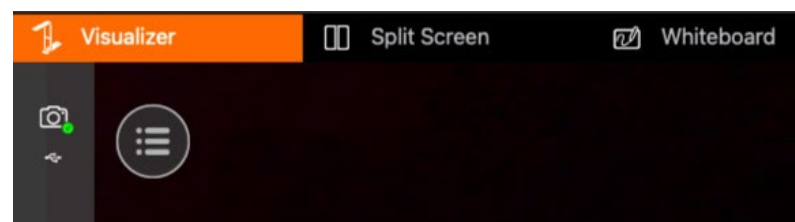
3. User Interface Description




The following is the description of the Ideao VisualCam software user interface.




3.1. Function Tabs

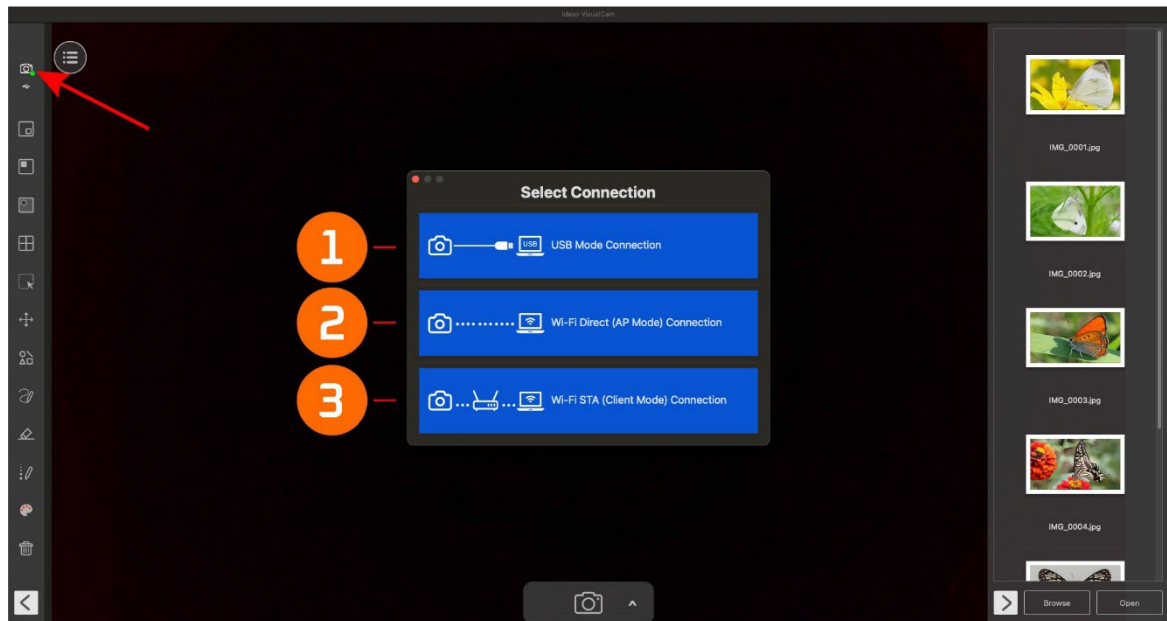
The Ideao VisualCam software integrates three main functions. You can switch between them by clicking the tabs.



Mode	Descriptions
 Visualizer	Displays the live video captured by the document camera.
 Split Screen	Connect two document cameras to your computer and display their feeds side by side.
 Whiteboard	Draw and annotate on a digital whiteboard

3.2. Select Connection

Click the  icon at the left upper corner to choose the device connection method. (**AP mode or Client mode are not available for Ideao DC400 / Innex DC500**)




Item	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.

3.3. Left Toolbar

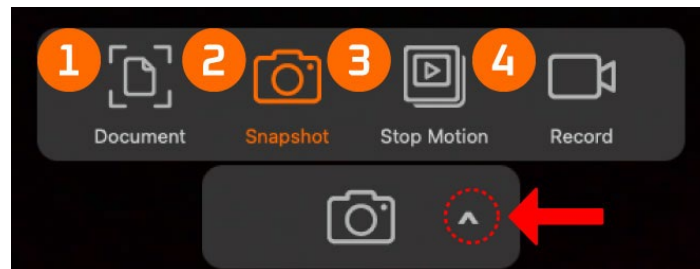
On the left side toolbar, there are many useful control tools available. For more details, please refer to **4.1 Left-side toolbar function.**

3.4. Image Adjustment Menu

Click the menu icon  to expand the image adjustment menu, you can use the tools to adjust the live video in the preview window. For more details, please refer to **4.2 Image adjustment menu.**

3.5. Capture modes

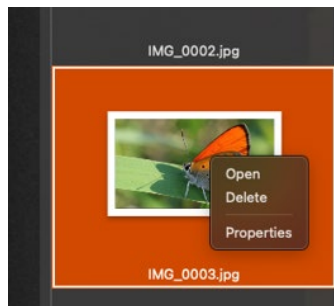
Click the up-arrow icon  in the bottom toolbar to switch the capture mode.



Mode	Descriptions
1	Crop and scan documents
2	Take snapshots (default selection)
3	Create stop motion videos by capturing frame-by-frame images
4	Record videos

3.6. Thumbnail List

Right-click a thumbnail in the right-side output listing of the main window to see the following options.



Right Click Options	Explanations
Open	Open the file
Delete	Delete the file
Properties	Show the file information

3.7. File Save Path


On the bottom right of the main window, there are options for setting the directory for saving files:

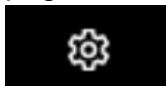


Button	Explanations
Browse	Browse the save destination
Open	Open the file location

3.8. Settings

General Settings:

Click the gear icon  in the upper right corner to access the settings page.

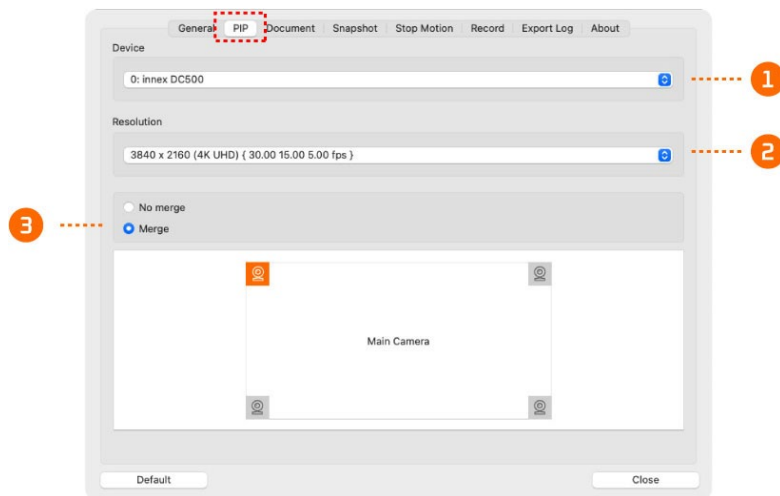


General Settings:



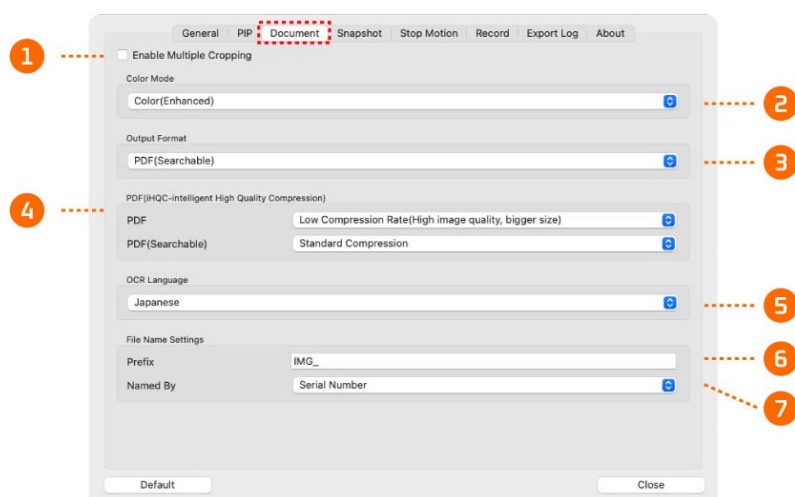
1	Set the file saving location
2	Enable tooltips to be shown when the mouse hovers over a function button/
3	Show the current devices connection status
4	Select whether to require a password when connecting to the Wi-Fi document camera or not. Note: This function only works with specific Wi-Fi document cameras.
5	Restore to default values
6	Exit the settings

PIP Settings:



1	Select a camera to display in the small window
2	Set the camera resolution
3	If 'No Merge' is selected, even if PIP is on, the image from the second camera will not appear in the recorded video. If 'Merge' is selected, the image from the second camera will be recorded together at the corner selected in this setting, regardless of its current position.

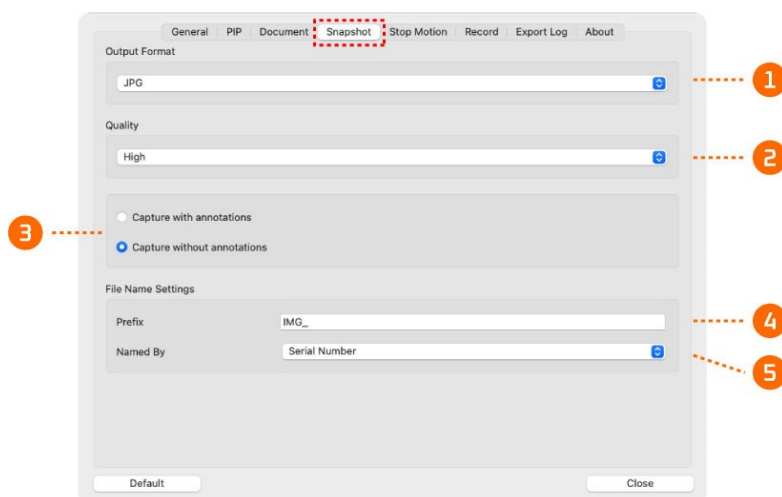
Document Settings:



1	Enable or disable multiple cropping options
2	Choose the color mode for scanning documents: Color, Color (Enhanced), Grayscale, B/W or B/W (Document).

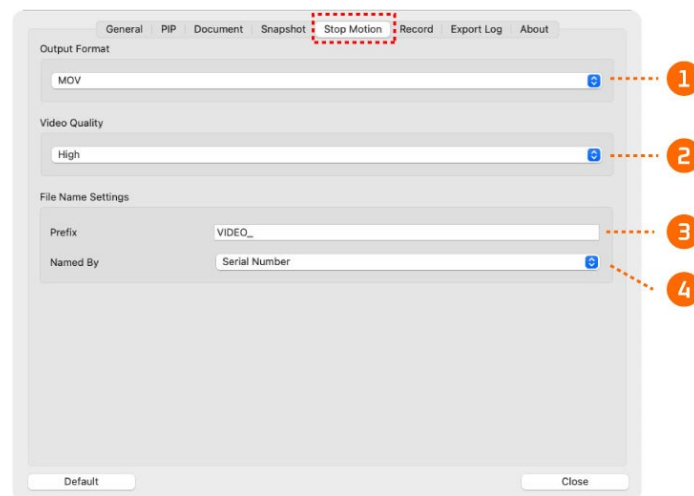
3	Choose the output format for the scanned document: JPEG, PDF (Image), PDF (Searchable) or PDF (Text).
4	Set the document quality (Compression rate). <ul style="list-style-type: none"> Standard Compression Low Compression Rate (High image quality, bigger size) High Compression Rate (Low image quality, smaller size) Note: When the output format is set to JPG, set the image quality between High, Middle and Low.
5	Choose the language for Optical Character Recognition (OCR) in scanned documents. The default is set to 'Auto'. Note: Please note that the OCR feature is only available when the output format is set to PDF (Searchable) or PDF (Text).
6	Set the prefix for the file name
7	Set the file name format to either serial number or date & time.

Snapshot Settings:



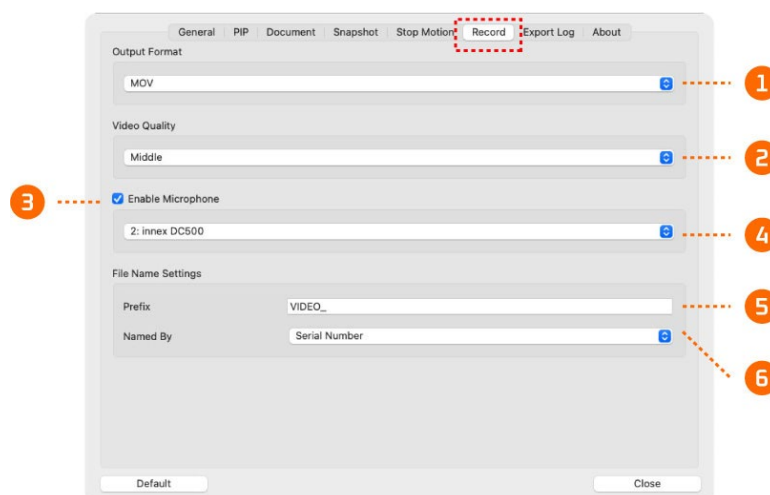
1	Set the image file output format (JPG, BMP, PNG, TIFF)
2	Set the image quality (High, Middle and Low)
3	Select whether to take a snapshot with or without showing the annotation
4	Set the prefix for the file name
5	Set the file name format to either serial number or date & time

Stop Motion Settings:



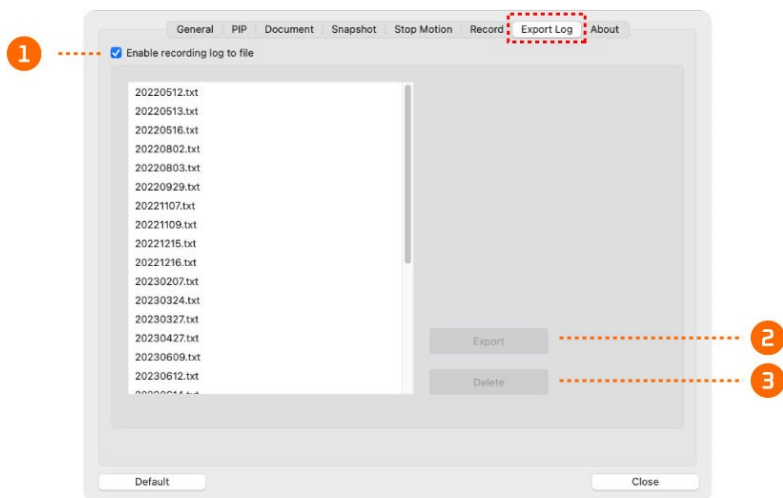
1	Set the video file output format (MOV, MP4)
2	Set the video quality. (High, Middle and Low)
3	Set the prefix for the file name.
4	Set the file name format to either serial number or date & time.

Record Settings:



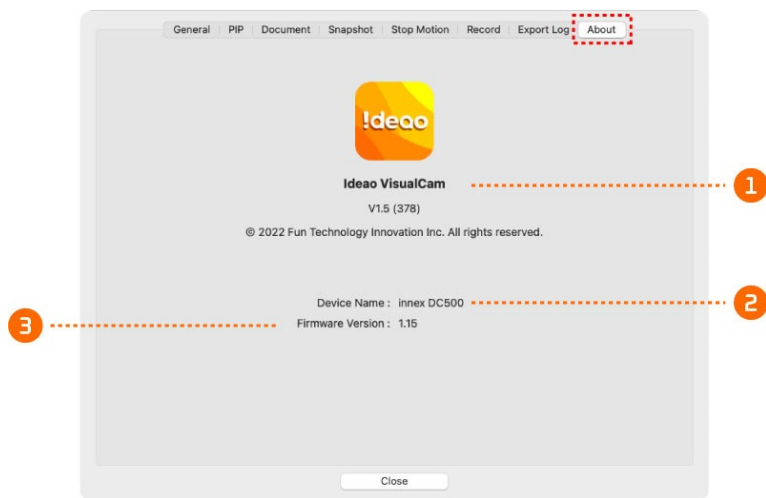
1	Set the video file output format (MOV, MP4)
2	Set the Video quality. (High, Middle and Low)
3	Enable microphone
4	Select microphone
5	Set the prefix for the file name.
6	Set the file name format to either serial number or date & time.

Export Log Settings:



1	Enable or disable recording log to file (default is enabled).
2	Export log file you selected
3	Delete log file you selected

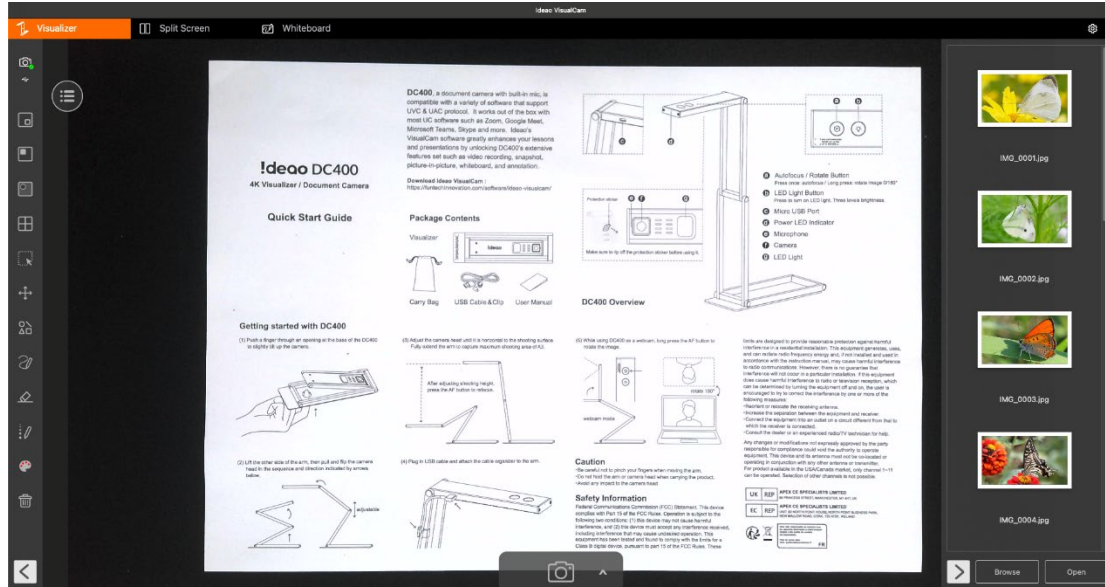
About page:




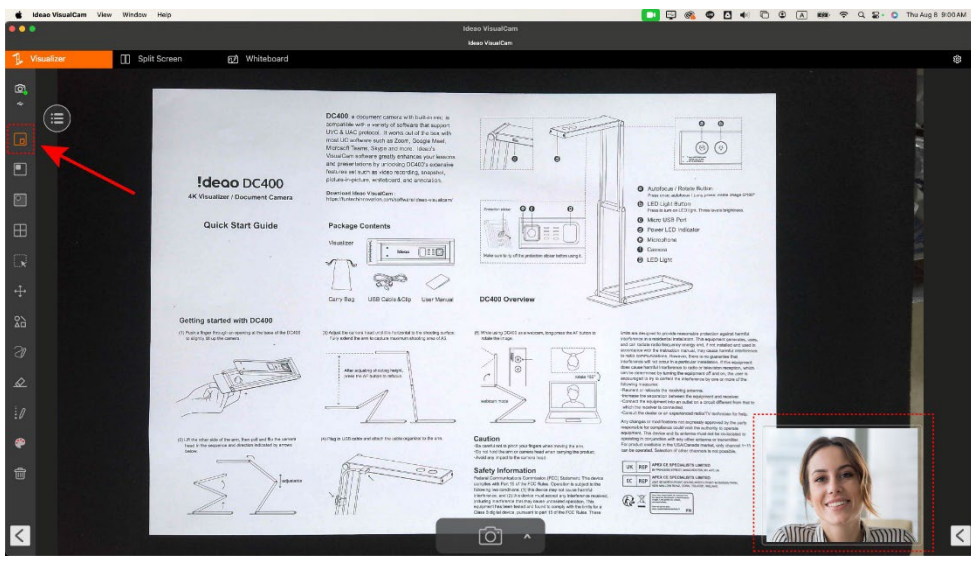
1	Display the current software version
2	Display the current connected device's name
3	Display the firmware version of the connected device


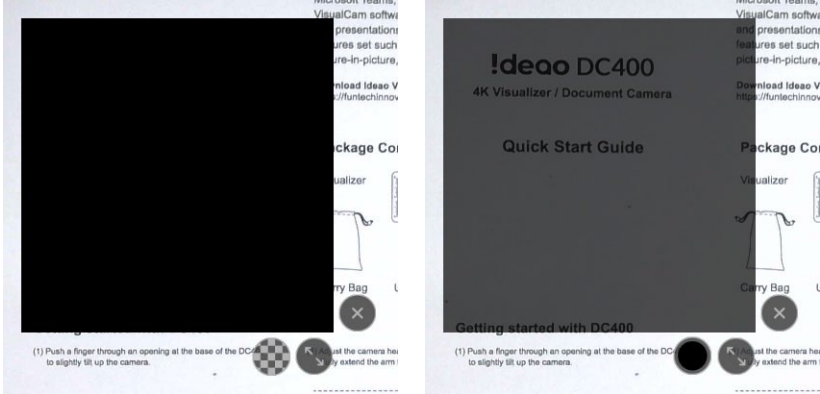



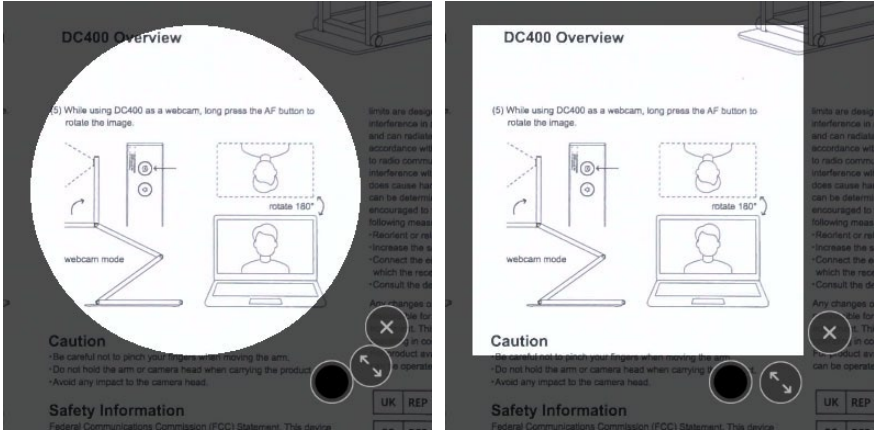






4. Visualizer Mode Description





















The visualizer mode allows you to show footage from a document camera. There are many useful functions available in the left toolbar, all of which can enhance your presentation.




4.1. Left-side toolbar function

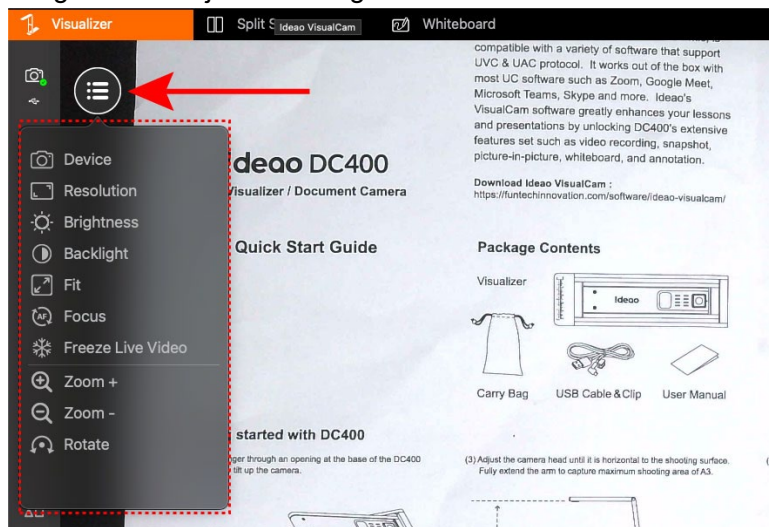
Icons	Descriptions
	<p>Picture-in-Picture</p> <p>Click PIP icon on the left-side toolbar to enable picture-in-picture mode, you can move and change the size of the sub-screen window.</p> 










	<p>Mask</p> <p>Click the Mask icon to enable mask mode in either black (opaque) or translucent style. You can then drag the cursor to adjust the size of the mask area to your desired dimensions.</p> <div data-bbox="359 387 1182 779">  </div> <div data-bbox="400 801 480 880">  </div> <p>Black (Opaque) style.</p> <div data-bbox="900 801 979 880">  </div> <p>Translucent style</p>
	<p>Spotlight</p> <p>Enable the spotlight in either rectangle or ellipse style. You can adjust the size and change the spotlight's appearance to black (opaque) or semi-translucent.</p> <div data-bbox="359 1021 1236 1451">  </div> <div data-bbox="387 1456 467 1534">  </div> <p>Ellipse style</p> <div data-bbox="863 1456 943 1534">  </div> <p>Rectangle style</p>
	<p>Gridlines</p> <p>Show gridlines on screen</p>
	<p>Select</p> <p>Select annotations, text or shapes on the screen</p>
	<p>Move</p> <p>When the feed from the visualizer is zoomed in and some parts of the area are not shown on the screen, you can move the view to see the hidden sections.</p>
	<p>Shape Tool</p> <p>Add shapes to the canvas</p>








	
	Rectangle Line Tool Add a rectangle with no filled
	Rectangle Solid Tool Add a solid rectangle
	Round Line Tool Add a circle with no fill
	Round Solid Tool Add a solid circle
	Triangle Line Tool Add a triangle with no fill
	Triangle Solid Tool Add a solid triangle
	Line Add a solid straight line
	Dotted line Add a dotted line
	Single arrow Add a line with a single arrow
	Double arrow Add a line with arrows at both ends
	Smooth Pen Draw and write using the Smooth Pen
	Highlighter Pen Draw and write using the Highlighter
	Disappearing Pen Draw and write 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 texts
	Eraser Erase annotation on the screen
	Clear All Clear all annotations on the screen
	Show/Hide Show and hide the toolbar

4.2. Image Adjustment Menu


Click the menu icon  to expand the image adjustment menu. You can then use the following tools to adjust the image feed from the visualizer.

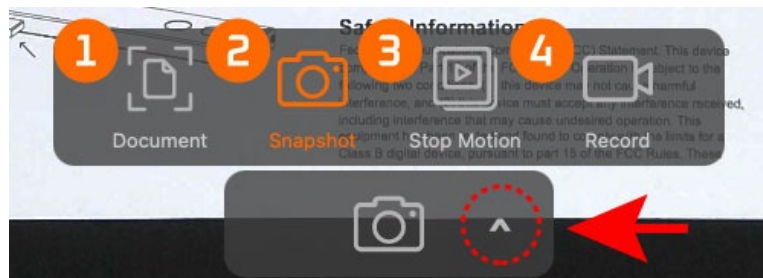







Icons	Descriptions
	Device Select a device from the list of available options. 
	Resolution Set the resolution
	Brightness Adjust the brightness
	Backlight Adjust the backlight. NOTE: This Function is only available for specific models
	Display 1:1 image  / Fit Screen 
	Focus Add a check mark to 'Auto Focus' to activate continuous Auto Focus, or use the slider to manually adjust the focus. NOTE: For Innex DC500, if the AF switch is ON, Auto Focus is forced to turn on. To turn it off, turn the physical AF switch to off.

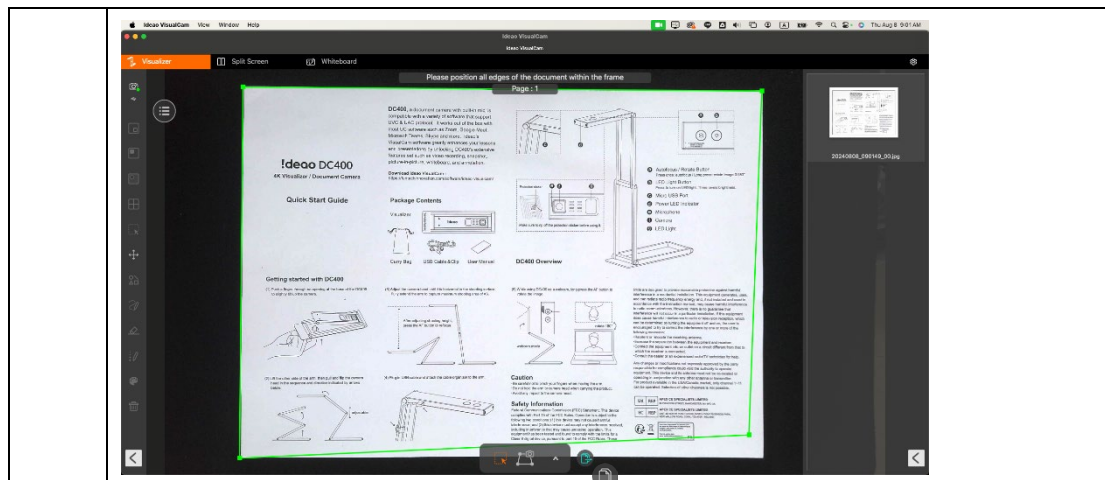
	
	Freeze video  Click to freeze the video /  Click again to unfreeze it
	Zoom in on the image
	Zoom out of the image
	Rotate image: 0°, 90°, 180°, 270°; Flip ; Mirror


4.3. Select Capture Mode

Click the up-arrow icon  at the bottom to display the toolbar and switch between capture modes.

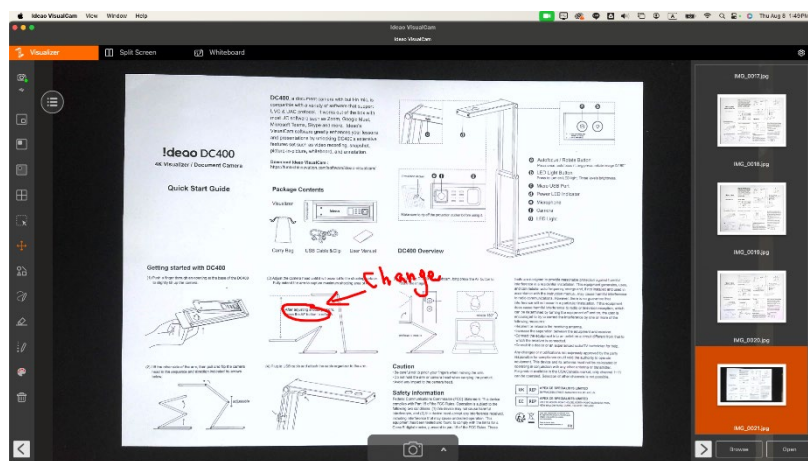



Mode	Descriptions
1	<p>The document mode  supports scanning single or multiple documents.</p> <p>The auto-detection crop mode  automatically crops the documents while the manual crop mode  allows users to crop document manually as desired. You can also enable multiple-page scanning by pressing the icon .</p> <p>When this mode is enabled, the icon turns to . Click the icon to export all the scanned image and merge them into one PDF file. This document mode includes OCR functionality, allowing you to extract text from scanned documents in the selected language. You can also set the output format to JPG.</p>





The snapshot mode  allows you to take photos with or without annotations. The images can be saved in JPG, BMP, PNG or TIF format.

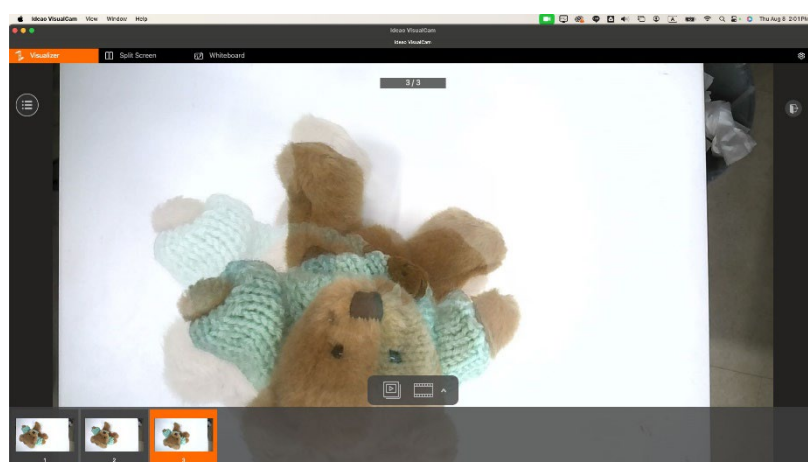
2




The stop motion mode  provides a live preview with a semi-transparent ghost image overlay, allowing you to see the difference between the previous and the next shot and make precise adjustments before capturing the frame.

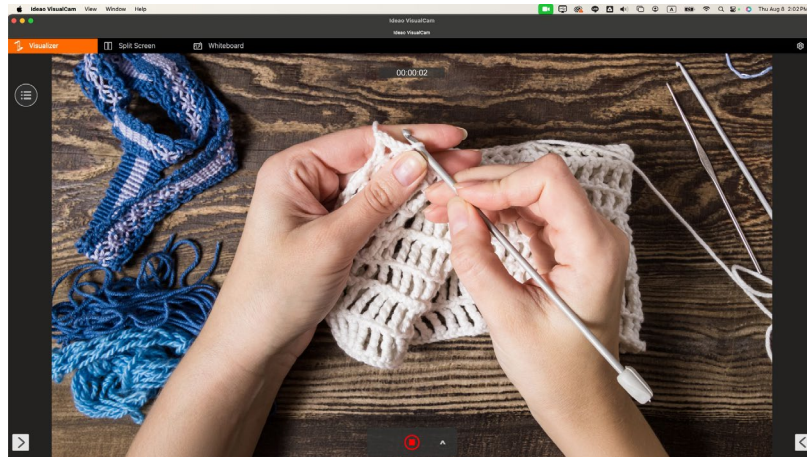
Click  icon to take a frame and click  icon to export to the video and delete all the images previously taken for the stop motion.


3



4

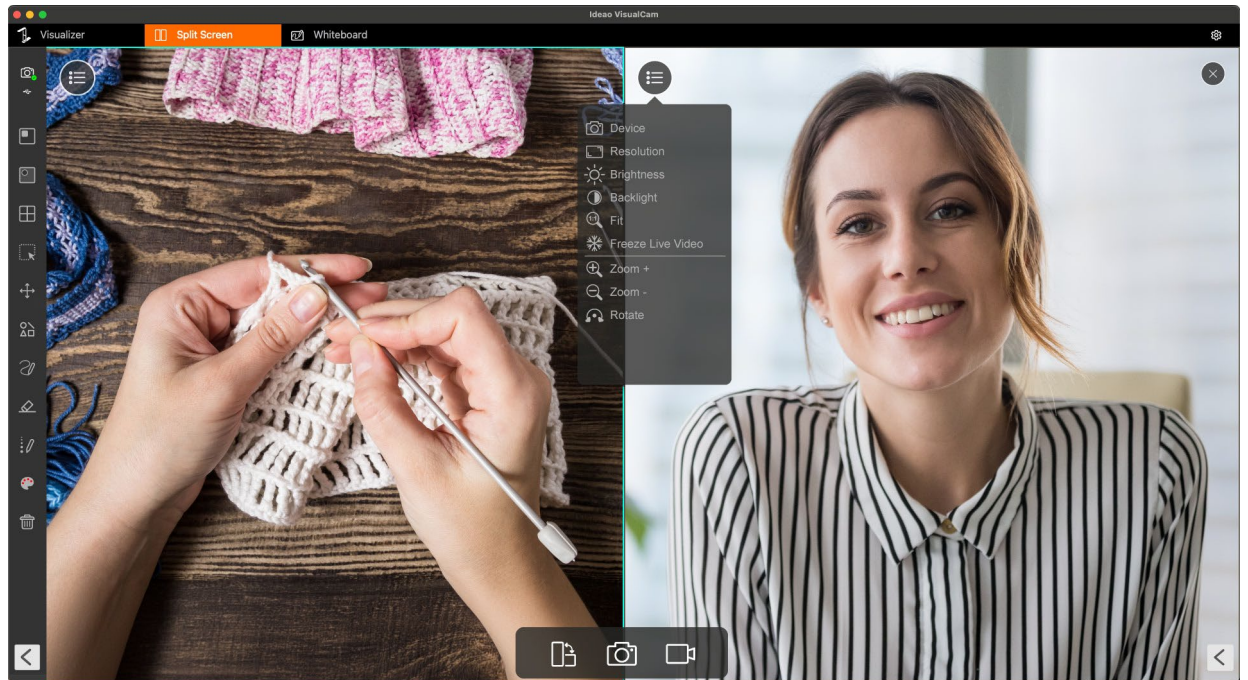
The record mode  enables video recording. The recorded videos can be saved in MOV or MP4 format as selected in the settings.



 Click once to start recoding  Click again to stop recoding

5. Split-Screen Mode

With the Split-Screen function, you can connect two document cameras to your Mac and display their feeds side-by-side or up-and-down. This allows you to present two live screens simultaneously. You can also compare a live video from a document camera with a still image.



5.1. Split-screen mode interface

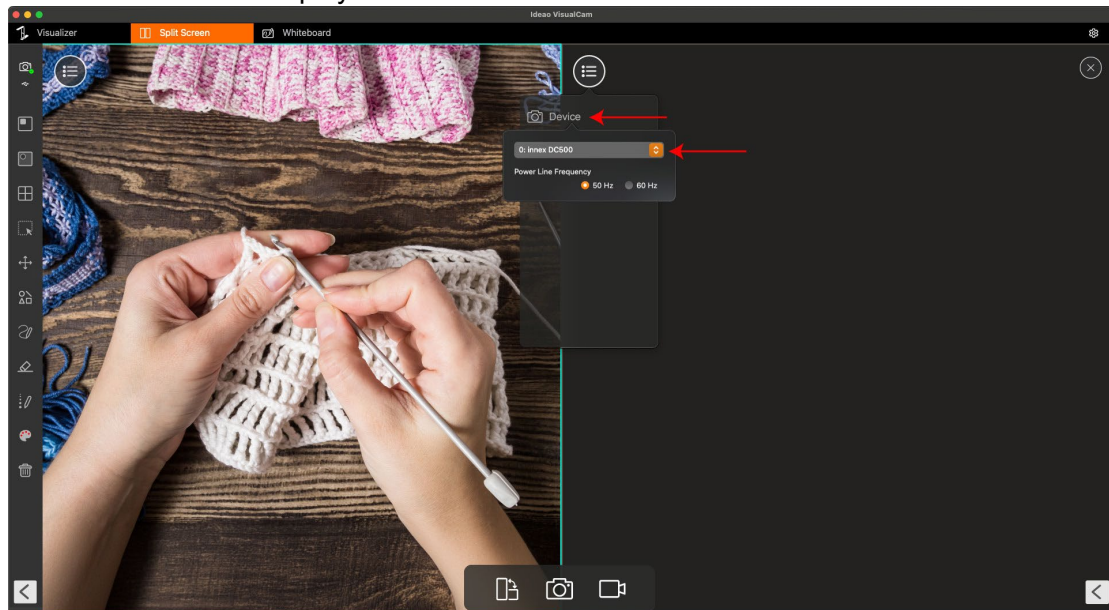
The split-screen bottom toolbar includes three icons: one for taking screenshots, one for recording screens, and one for changing the display layout.



item	icon	Descriptions
1		Switch Switch the display layout
2		Snapshot Take a screenshot of split-screen view
3		Record Take a screen recording of split-screen view

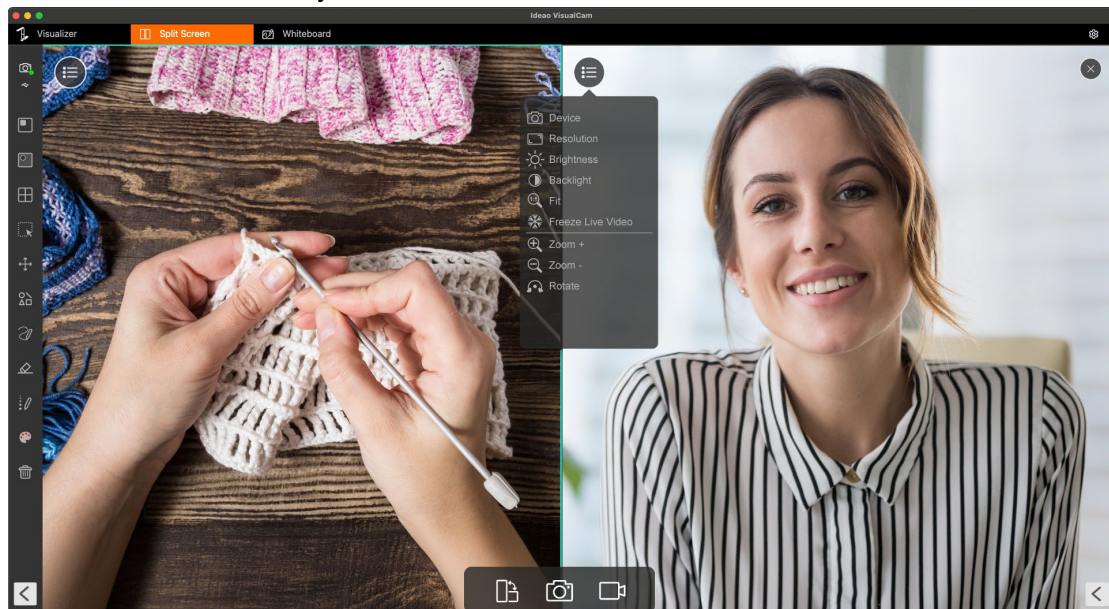
5.2. Show live footage from 2 cameras

To view live footage from two cameras, click the menu icon (☰) on the right window, then click 'Device' (📷) to display the list of cameras and select the desired camera.




If you select the same camera source for both the left and right windows, the same footage will be displayed on both sides. However, you can freeze the footage on one side while keeping the other side live.

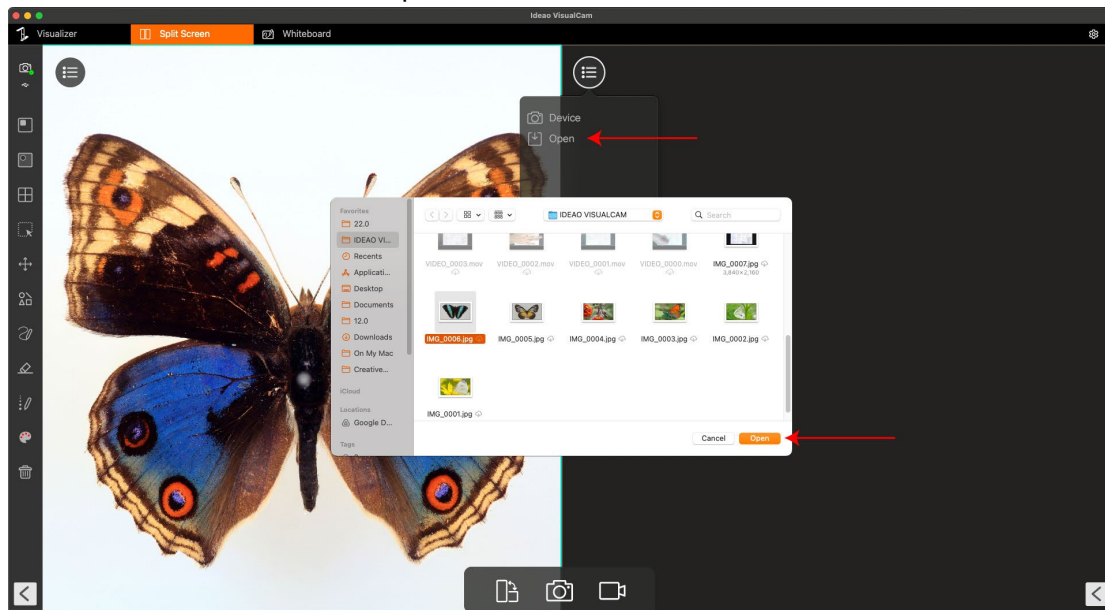
You can also select a different camera, for example, showing footage from a document camera on one side and your face from a webcam on the other.



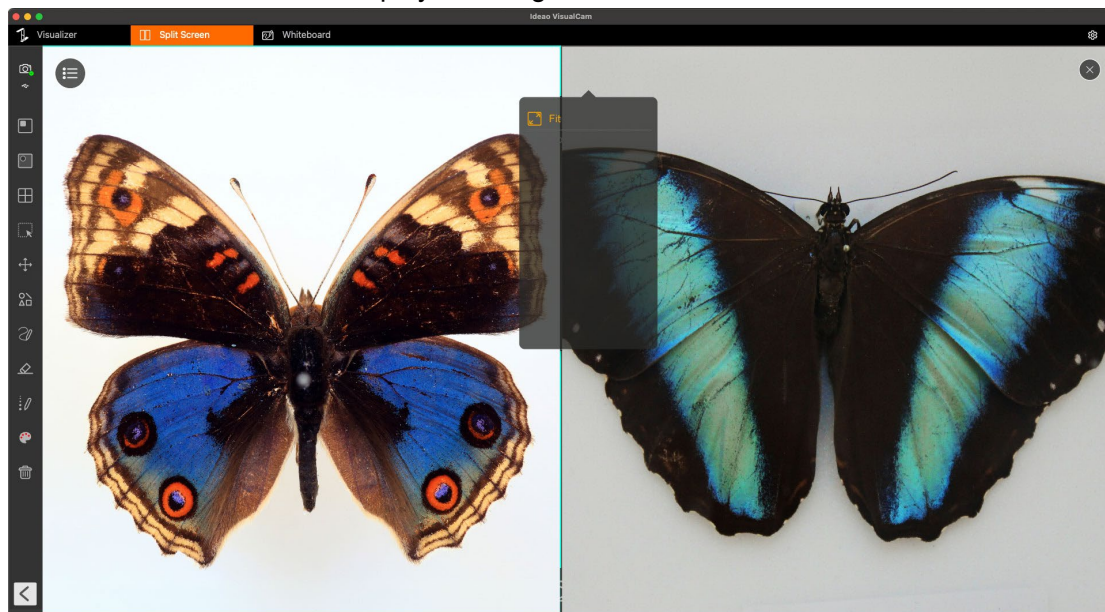
5.3. Compare images

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

1. Click Open icon  to open the finder.
2. Select a file and click 'Open' at the bottom of the finder.



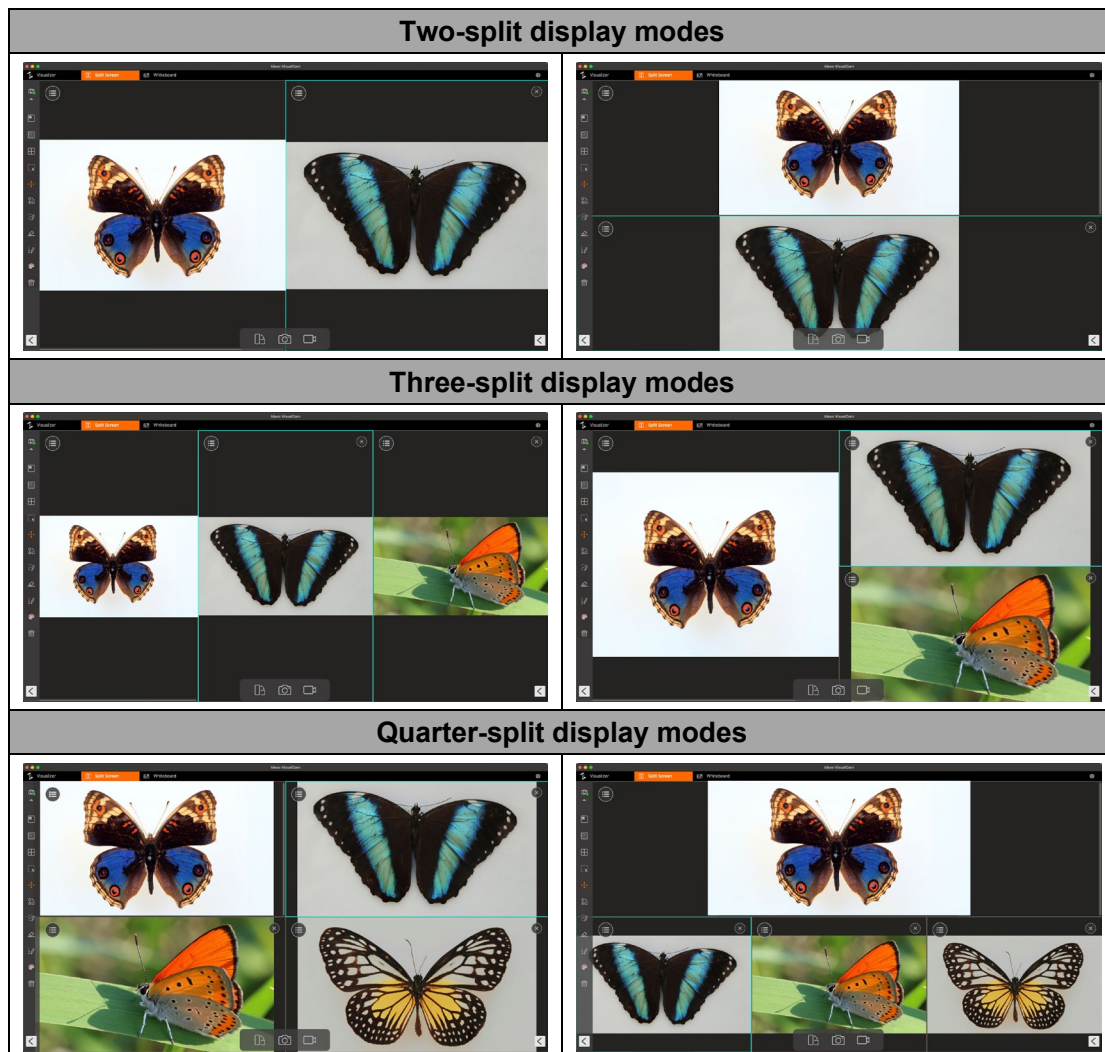
3. You can choose to display the image either fit to the screen or at a 1:1 scale



NOTE: The split-screen mode supports comparing up to 4 images at a time.

5.4. Change the display layout

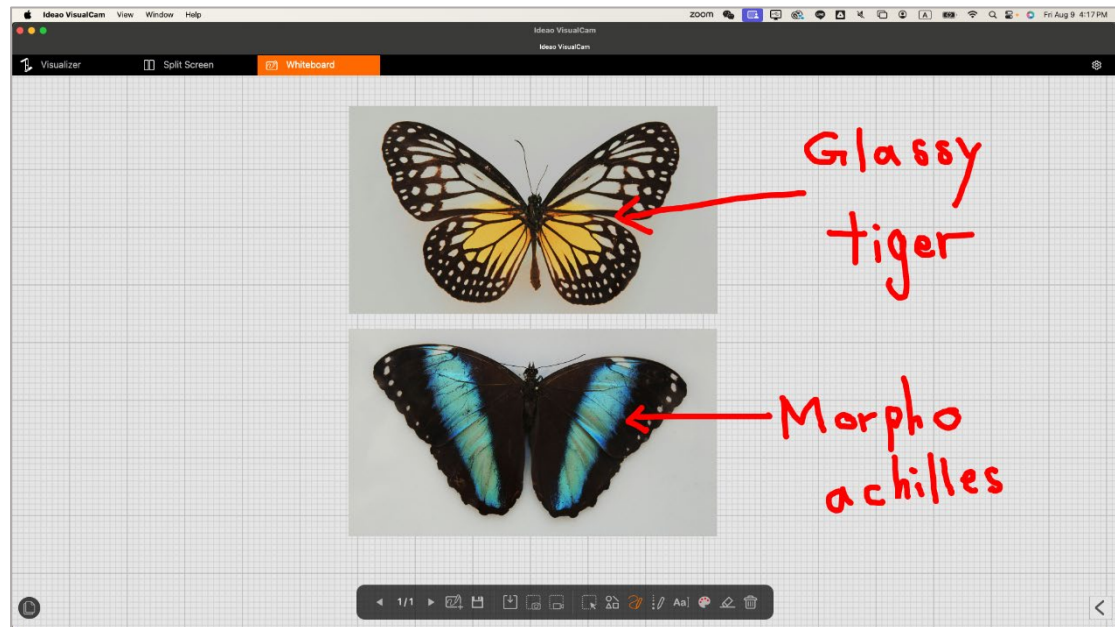
The split-screen mode allows you to change the display layout by clicking the switch button.



NOTE: To remove one of the split windows, click the icon ✕ in the top-right corner of the window you want to remove.

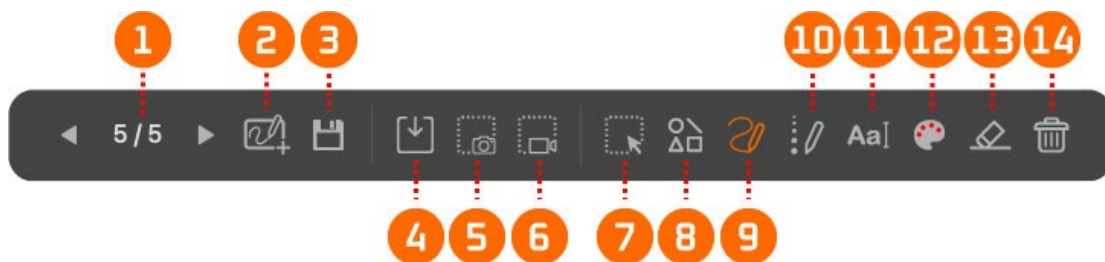
6. Whiteboard Mode

The whiteboard mode allows you to draw and annotate on the interactive whiteboard. In this mode, you can drag and drop selected images from the right-side file list onto the whiteboard and add annotations to enhance class interactivity.







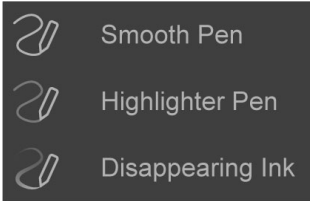







6.1. Whiteboard Toolbar interface

Whiteboard mode provides a multi-page canvas with all the drawing tools you need.




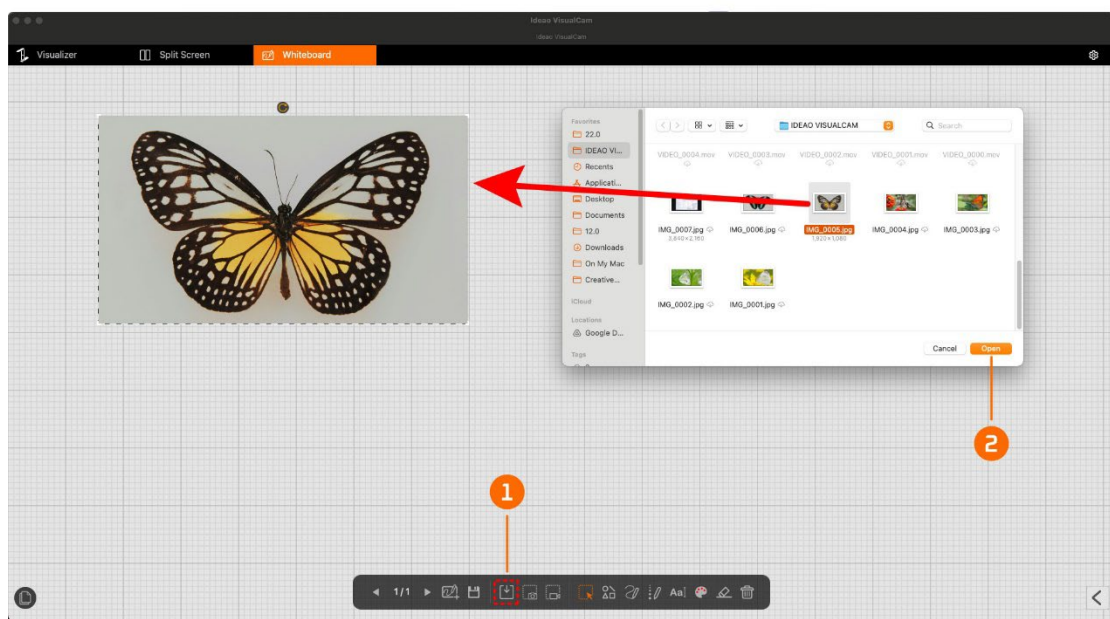
Item	Icons	Descriptions
1	◀ 1/12 ▶	Previous page / next page Click to navigate to the previous or next page
2		Add a new page Select a background and create a new page.
3		Save Save the current whiteboard pages as a PDF or JPG file.
4		Open <ul style="list-style-type: none">● Open the folder and insert the image into the whiteboard


5		Screenshot Take a screenshot of the whiteboard canvas.
6		Screen recording Record the session.
7		Select Select the annotation and object on the page.
8	 	Shape Tool Select shape and add it to the page.
9	 	Pen Tool Select the pen type from the 3 available options and use it to annotate
10		Line Thickness Set the line thickness of pen and shapes.
11		Text Tool Add texts.
12		Color Option Set the color of annotations, shapes, and text.
13		Eraser Erase annotations, texts, shapes and images on the screen.
14		Clear All Clear all annotations, texts, shapes and images on the current page.

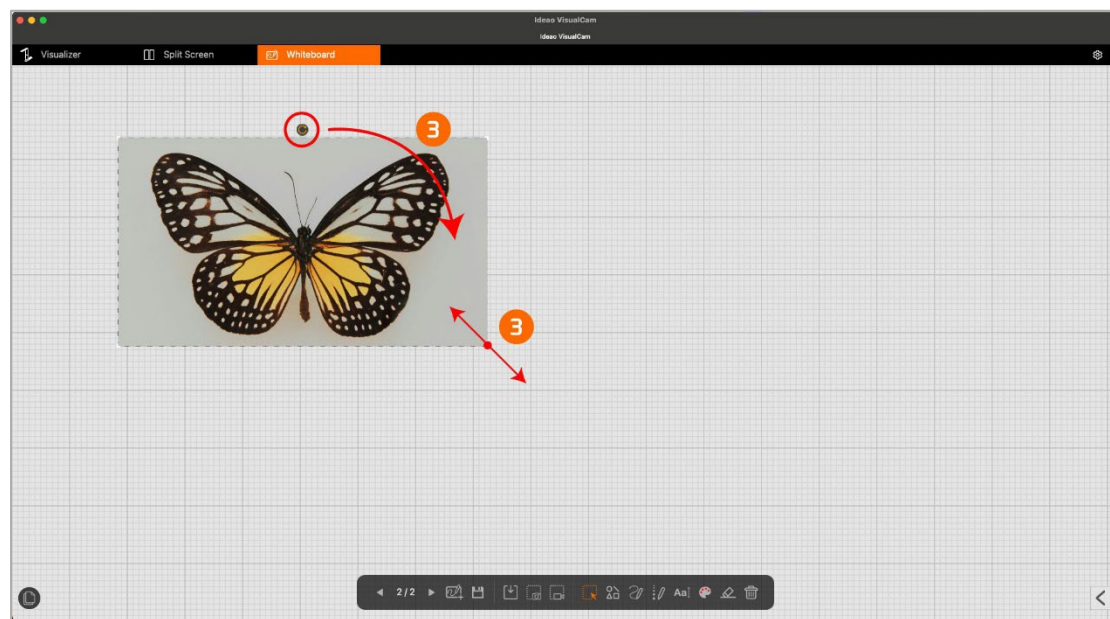
6.2. Add an image to the whiteboard

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


1. Click the **Open** icon  to launch the finder.
2. Choose the image file you want to add to the whiteboard canvas, then click **Open**.

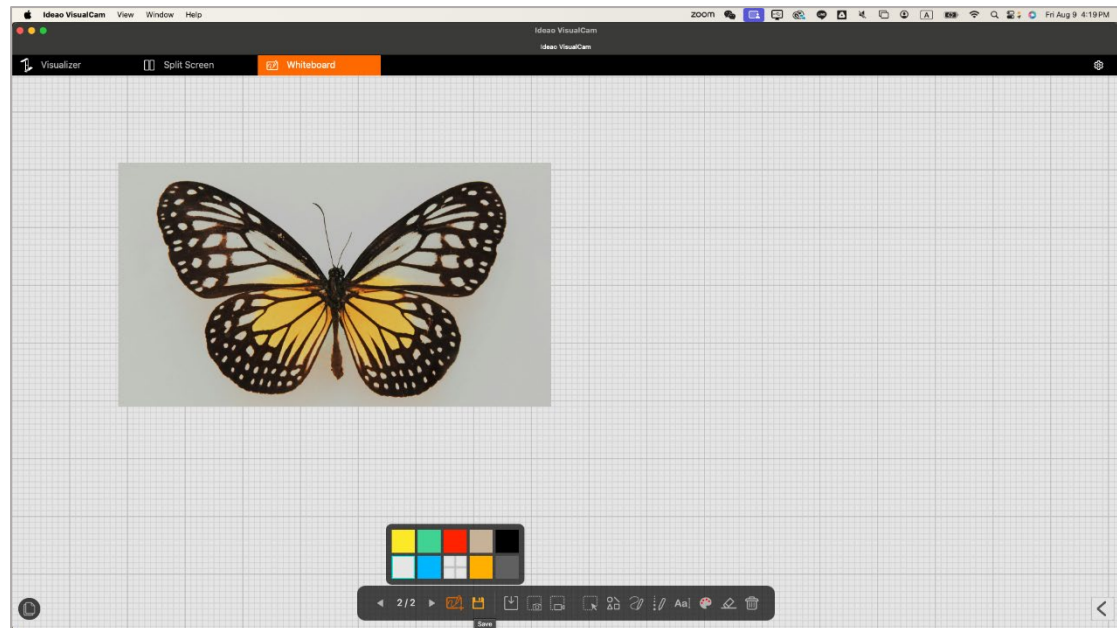



3. You can also use the rotation handle  to rotate images or use the resize handles to adjust the image size.

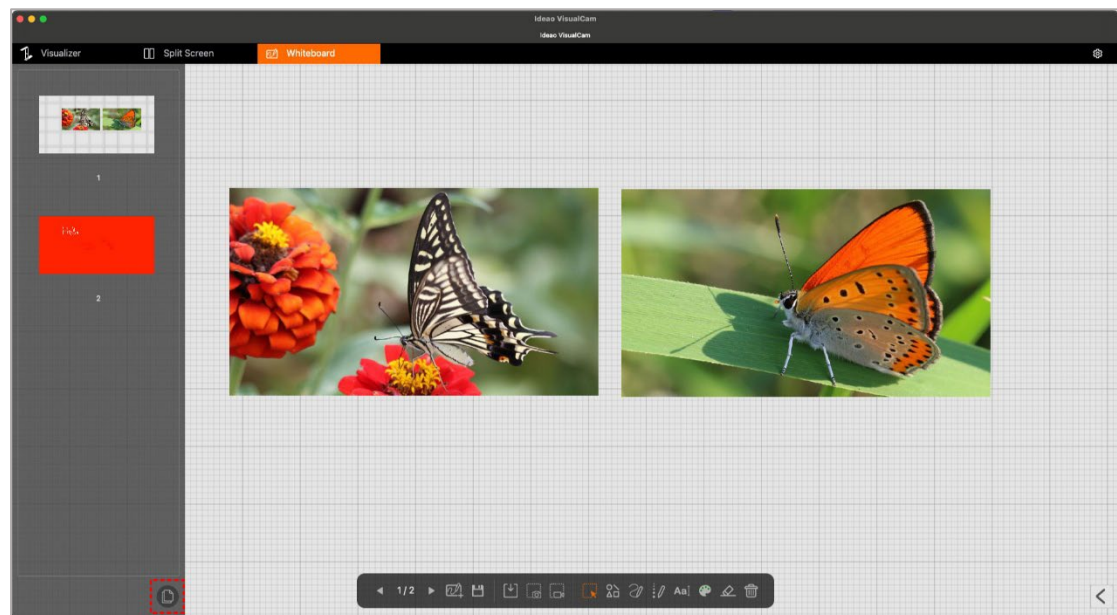


6.3. Add a whiteboard page

To add a whiteboard page, click **Add page** icon  and choose the background color.



You can also click the  icon to display the page navigation and select the page to view.



7. Troubleshooting

If Ideao VisualCam does not detect the connected device, please check the following.

- **Ensure you are using a supported camera.**

If you are using a third-party document camera, you may not have access to all of the software's functions. Only Ideao DC400 and Innex DC500 are supported.

- **Try Changing the USB port**

If the visualizer is connected to the PC along with other USB devices, try after disconnecting the other devices

- **Ensure that the visualizer is not being used by any other application.**

Check if the camera is being used by other applications in Mac. If so, exit those applications and try again.

- **Turn off the virtual machine**

If your Mac is running a Windows virtual machine (e.g., “**Parallels Desktop**”), please turn it off and reconnect the device.

- **Contact customer service**

If you need further assistance, please reach out to our customer service at **support@funtechinnovation.com**. We will respond to your inquiries within 24 hours on business days.