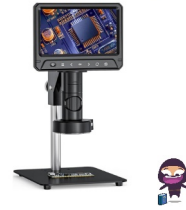


Ashfly 331-A 7 LCD Digital Microscope



# Ashfly 331-A 7 LCD Digital Microscope User Manual

[Home](#) » [Ashfly](#) » Ashfly 331-A 7 LCD Digital Microscope User Manual 

## Contents

- 1 Ashfly 331-A 7 LCD Digital Microscope
- 2 PR.DDIICI DESCRIPTION
- 3 BATTERY INSTRUCTIONS
- 4 FUNCTION INTRODUCTION
- 5 PRODUCT SPECIFICATIONS
- 6 FUNCTION BUTTON
- 7 MODE INTRODUCTION
- 8 COPYING PICTURE AND VIDEO FILES
- 9 CHARGING GUIDE
- 10 FAQ Help
- 11 FCC Statement
- 12 Documents / Resources
  - 12.1 References
- 13 Related Posts

# Ashfly

**Ashfly 331-A 7 LCD Digital Microscope**



## **PRODUCT DESCRIPTION**

Thank you for purchasing this equipment, it is complex to use, so please read this manual in detail to understand how to operate the microscope before using it.

## **IMPORTANT NOTES**

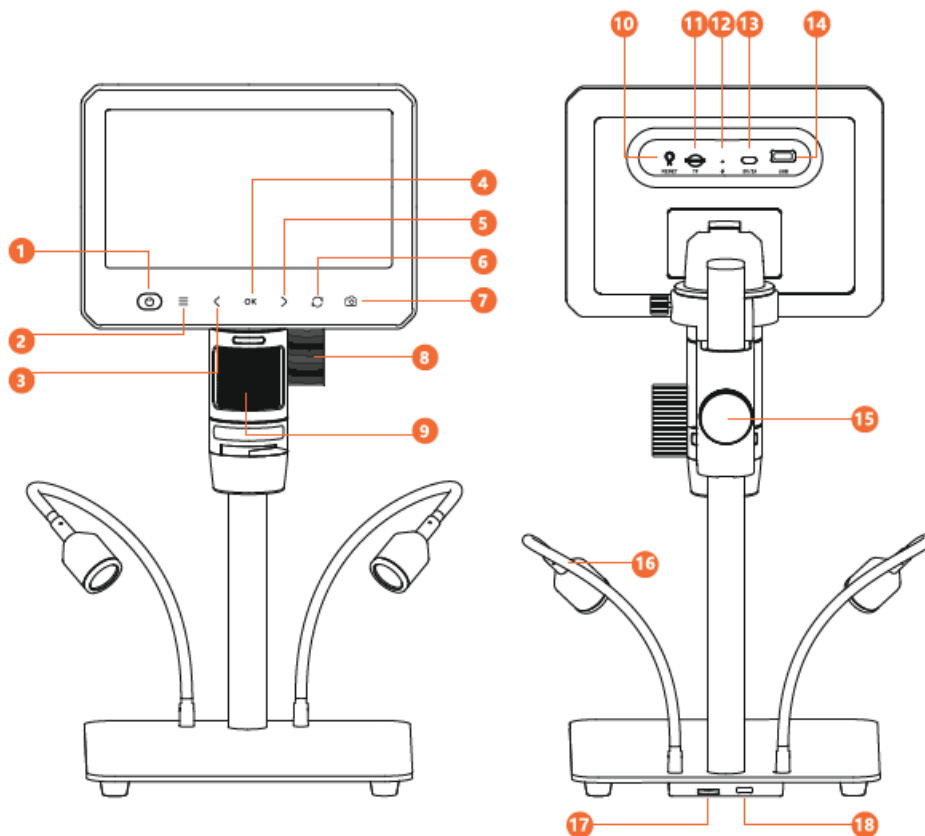
1. Please fully charge the product before first use. Please do not charge directly through the PC, but choose a 5V-2A adapter.
2. In PC mode, this device only supports USB3.0 or above interface, not USB2.0 interface.
3. This product is not a biological microscope and is not suitable for cell biology research.
4. The optimal focal distance of the microscope is 2-60mm. You need to adjust the focus by adjusting the focus drum to achieve the clearest state.
5. This device cannot accurately read microscope magnification, it is a combination of digital and optical magnification microscope, the specific magnification effect is subject to the actual picture taken.
6. When the battery is low, both the storage mode and PC camera mode cannot be used normally. This is not a product failure.
7. Do not touch the lens or other optical parts with your hands, otherwise it will cause image blur and affect imaging quality.
8. Do not disassemble the product or component structure by yourself to avoid abnormal equipment use.

## **BATTERY INSTRUCTIONS**

1. Please use a safe and compliant 5V/2A home charger to charge this device.
2. This device supports charging while in use.
3. If the device is left unused for a long period of time, please ensure that it is charged at least once every 3 months to prevent irreparable damage caused by over-discharging the battery.

## **FUNCTION INTRODUCTION**

- 1.



Power button

Press and hold for 3 seconds to switch on/off the device

2. Menu key

Set the relevant parameters

3. Left selection

key Scroll up / Dim lens light

4. OK key Confirm

selection/screen flip

5. **Right selection key**

Scroll down / Enhanced Lens Lighting

6. Mode switch key

Short press to switch photo video, File browsing mode / long press to switch different color display modes

7. **Photo key**

press to take a photo / start recording / end recording

8. **Bracket adjustment**

knob Can adjust the lens height up and down

9. **Adjust the focal**

length roller Adjustable focal length

10. **Reset button**

When the product crashes, press to force shutdown

11. TF card slot

Support expansion 0-64G TF card

12. **Charging indicator**

When charging the red light is on, when it's done the green light is on

13. **Charging interface**

Input 5V = 2A

- 14. Light power supply port  
Output 5V = 1A
- 15. Lock screw  
Can fix the lens height
- 16. External light source  
Two 3W high-brightness LED lights
- 17. External light adjustment knob  
The size of the external light can be adjusted
- 18. Light source charging port  
Input 5v/1a

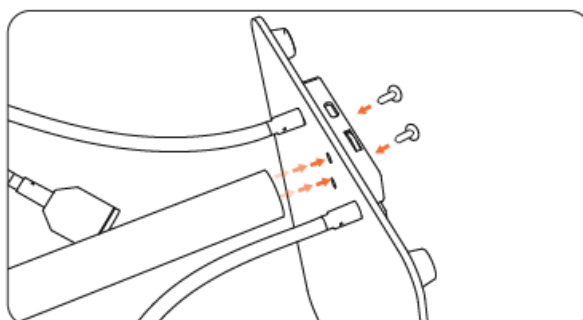
## PRODUCT SPECIFICATIONS

<b>Lens</b>	Lens pixels	12.0MP
	Magnification	1200X
	Focusing mode	Manual
	Fixed focal length	2-60mm
	Video resolution	1920*1080P
	Photo resolution	4032*3024P
	Video format	MOV
	Photo format	jpg

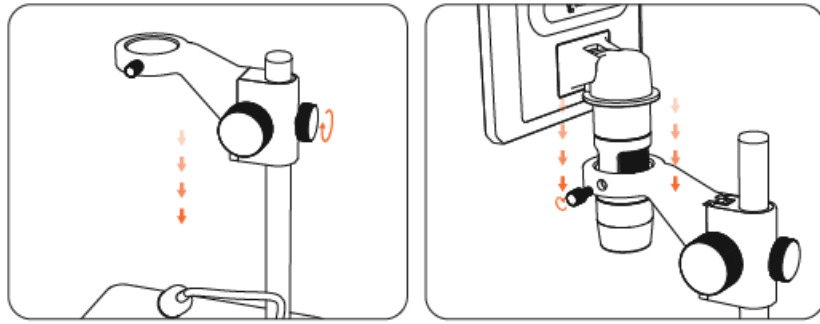
<b>Screen size</b>	Screen size	7.0"
	Screen resolution	1024*600P
<b>Other</b>	Operating systems	Windows XP/ vista/7/8/10/11, MacOS X 11.0 or higher
	TF capacity	Support expansion 64GB
	Input voltage & current	5V/2A
	Battery capacity	3000mAh lithium battery
	Operating time	1.5 hrs
	Charging time	3 hrs
	Operating temperature	-10°C ~ 50°C
	Camera working temperature	-15°C ~ 75°C
	Languages	Simplified Chinese / Traditional Chinese / Japanese / English / Korean / French/ German / Spanish / Italian / Russian / Polish

#### STEPS TO USE

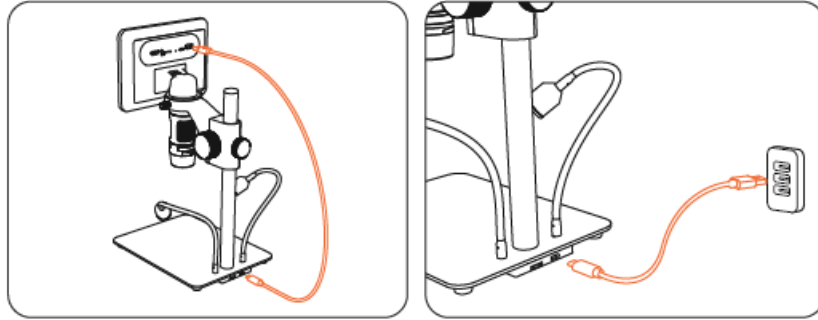
1. .After unpacking, assemble the metal bracket as shown in the figure below.



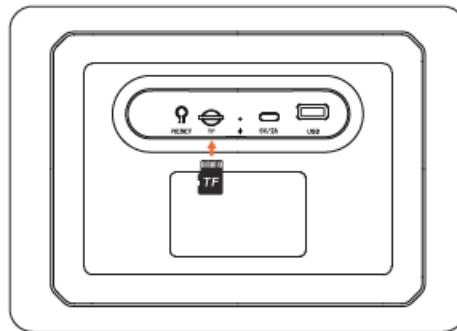
2. Fix the host and bracket, as shown in the figure below.



3. Connect the light source as shown in the figure below.

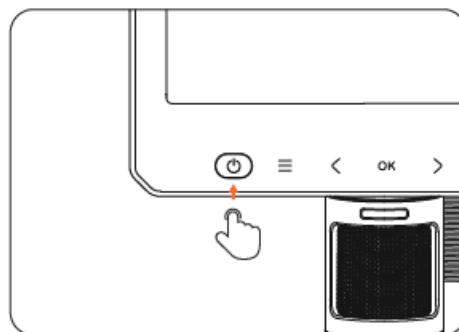


4. Before using this device, you need to insert the TF card.

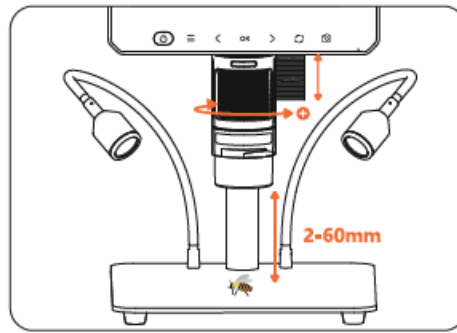


#### Insert the TF card




- Please insert the TF card when power off.
  - Please be careful not to confuse the insertion direction and the front and back of the TF card.
  - Do not use excessive force when inserting or pulling out the TF card, otherwise the structure of the card slot may be damaged.
5. After fixing the workstation, press and hold the power switch button for 3 seconds to turn on the device and start working.

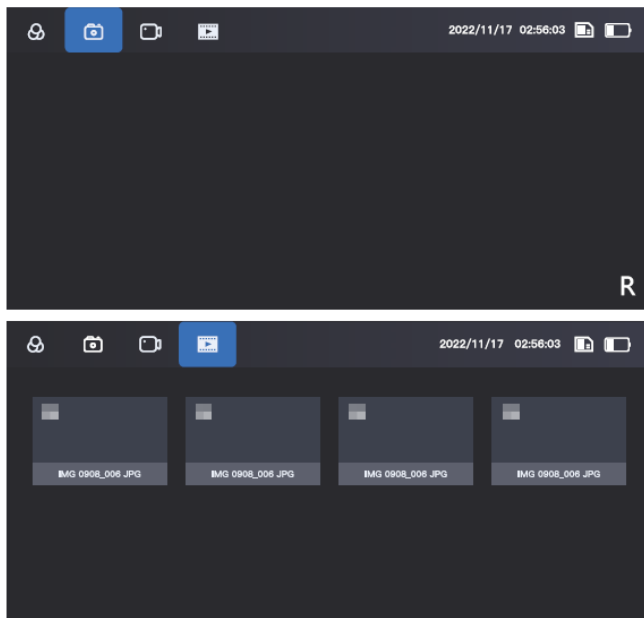




6. Adjust the support to move the lens up and down, and adjust the focus drum to obtain the required magnification for observation. Adjust the focus drum to the left when moving the lens downwards to increase the magnification, and to the right when moving the lens upwards to decrease the magnification.

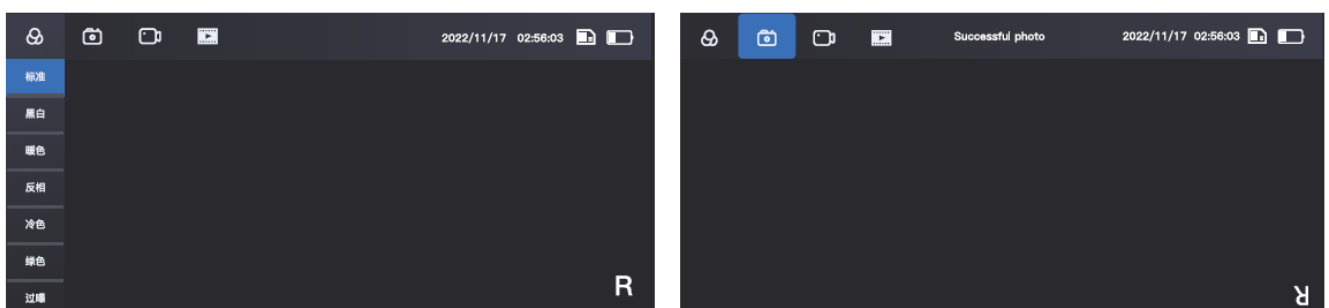


## FUNCTION BUTTON

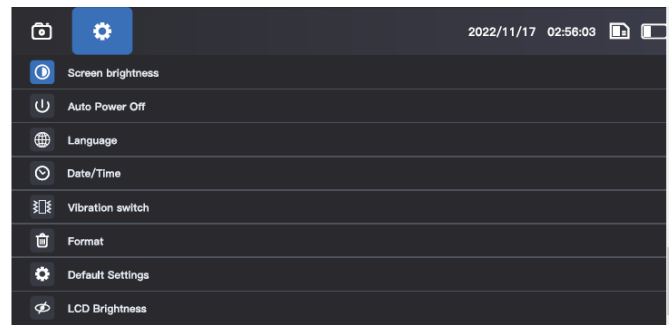
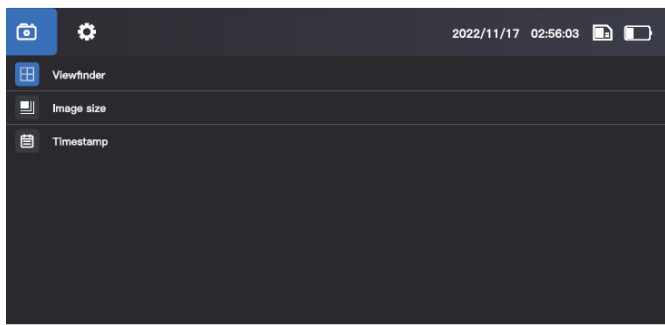
1. After switching on, the product is in “Photographic mode” by default, click the  key to take photos, click the  key once to enter the “Video mode”, click '↺' to start recording, then click '↺' to end the recording, click “” once again to enter the file browsing mode. Short press the '↺' key to set as: “Photographic mode” – “Video mode” ‘↺’ “File browsing mode”, with three modes circulating.



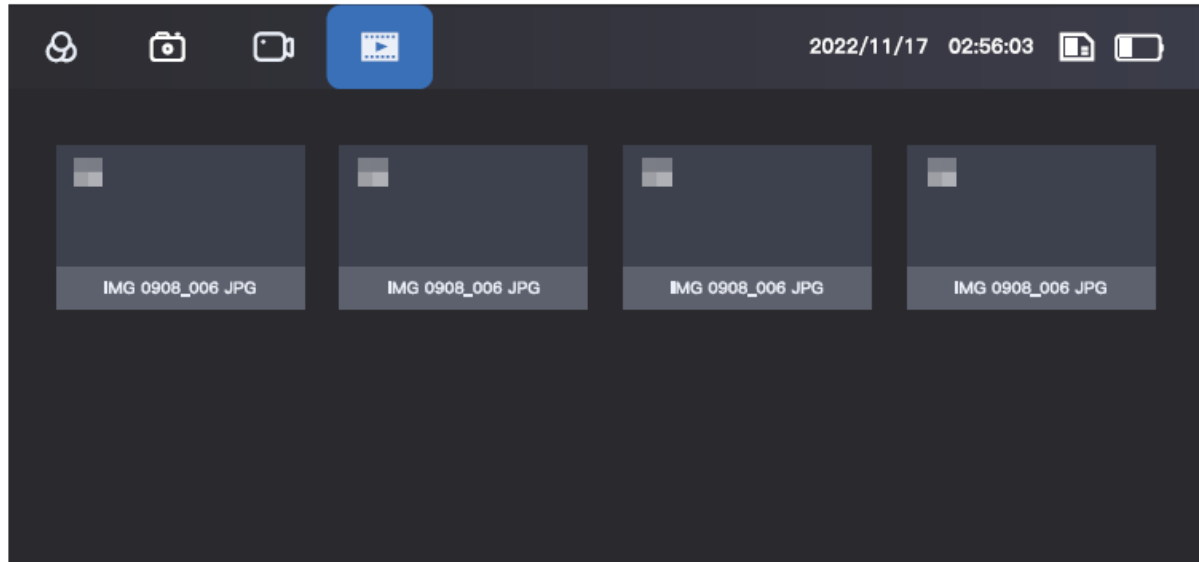
2. In “Photographic mode” ‘↺’ Long press “=” to enter the color switching mode. Click the key “ “ ”  to switch between different colour modes.





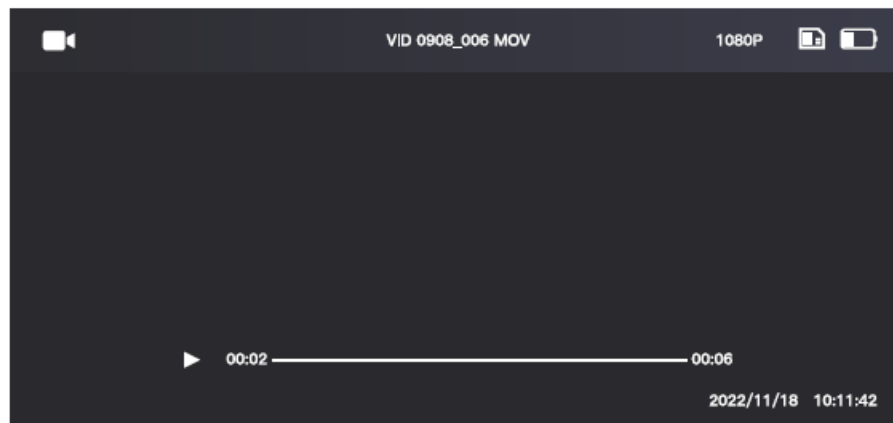
3. In “Photographic mode” “Video mode”, click the “ ” key to rotate the image.
4. In “Photographic mode”, click the “=” “key to adjust the photo-related parameters, click “=”, again to enter the settings page. piers, de, e thai enter the settings pao related



## “File browsing” mode operation instructions



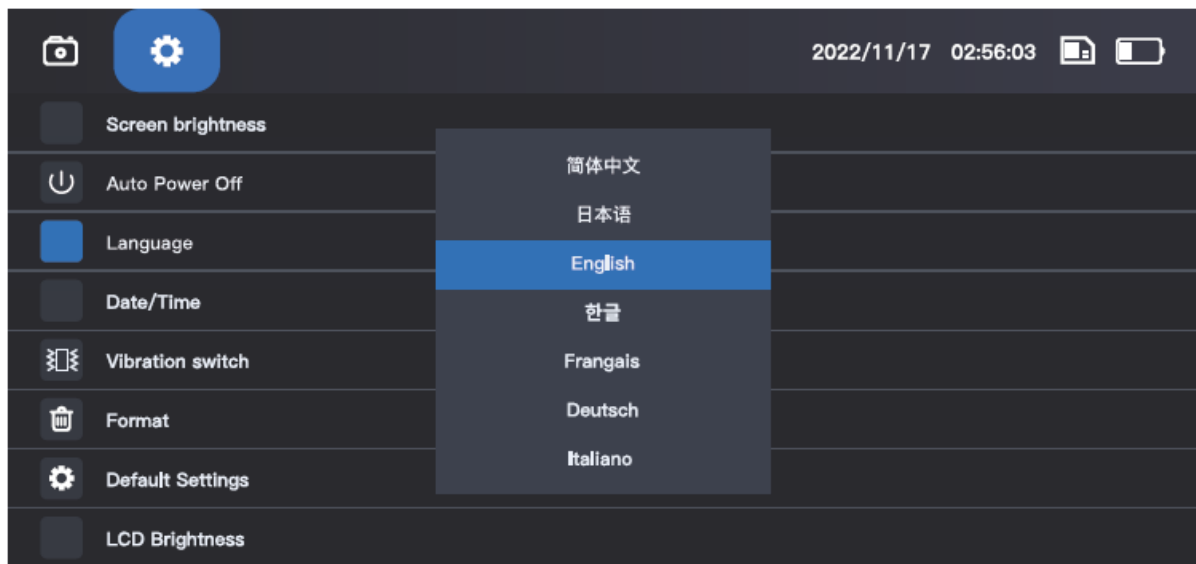
1. Click  twice to enter the file browsing mode, you can view all the saved photos and videos. If you need to delete the current photo or video file, click the  = “key to enter the delete page.



2. If the current file is in video format, click “ok” key for play/pause function, click left and right key for fast forward and fast rewind function.

## “Setting page” operation instructions





1. Double click the " = " key to enter the setting page.
2. Click ◀ " " ▶ to select the required menu item.
3. Select the required item, click the "OK" key to enter, select ◀ " " ▶ "the desired parameters with and then click the "ok" key to confirm.
4. When finish setting, Click the " & " key to exit the setting mode.
5. The first time using the device, you need to go to " = " to select the required language (the factory setting of the device is: English).

## MODE INTRODUCTION

The product has three mode functions, which are as follows:

1. Memory mode: connect to PC, read, write and format TF card.
2. PC camera mode: Connect to a computer and use it through computer software, making the large screen more intuitive.
3. Normal mode: normal use mode of the device.

### Memory mode

1. Connect the microscope to the computer via USB data cable, select memory mode, then click the OK button to view saved photos and videos on the computer.
2. .PC camera mode:(Only supports USB3.0 or above interface, does not support USB2.0 interface)

Note: When using PC mode

1. some function keys will not be available
2. In PC camera mode, it is normal that the device monitor will not display images.
3. When connected, if the software has no image, please repeat plugging and unplugging the Type-c data cable or replace the cable.

## -Windows system

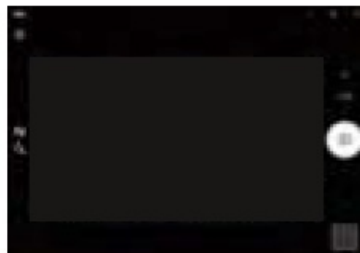
Support Windows vista/XP/7/8/10/11 or later.

### 1. Software Installation

1. For WIN 7/8 systems, download and install the “AMCAP” software.
2. For WIN 10/11 systems, search directly for the software “Windows Camera” (Note: Please disable the default laptop camera in Windows! And you must change the camera’s privacy settings, which is needed to allow access.
3. Or download the application “Smart Camera” for your computer, download link:  
[www.inskam.com/download/camera.zip](http://www.inskam.com/download/camera.zip)
4. Connect your microscope to the USB port on the back of your computer case with the Type-C cable that comes with the microscope, press and hold the power button to turn on your computer, select to enter PC camera mode and open the computer software to use.
5. Different Windows systems are recommended to use different software, please choose to download the correspond- ing software to use according to the system.

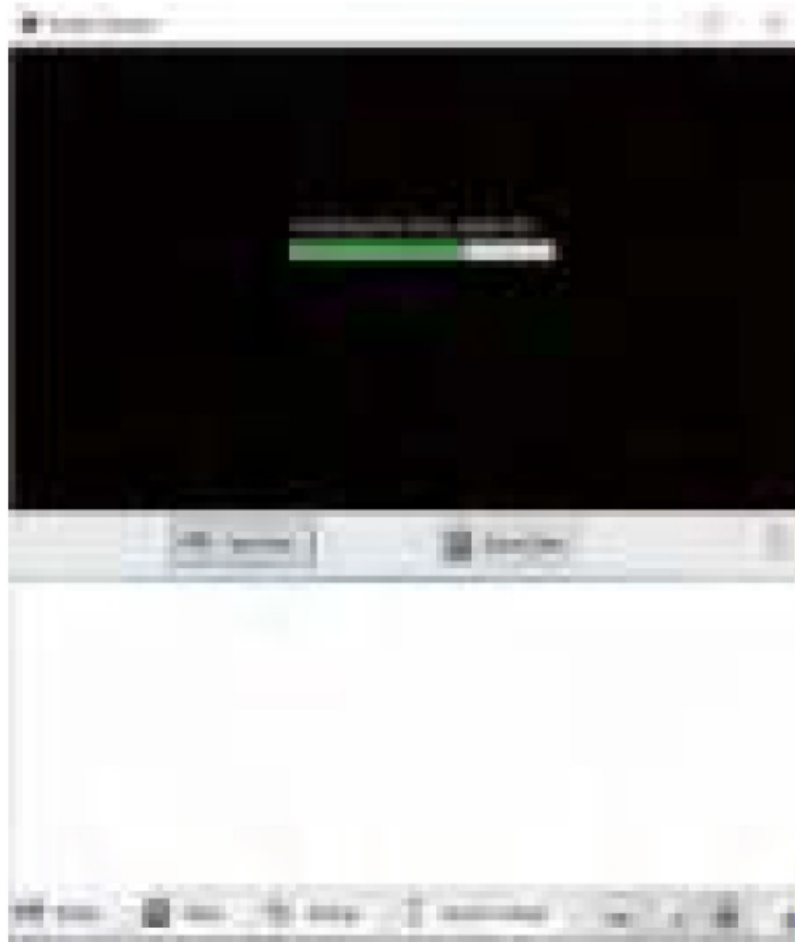
### 2. the software page display:

1. Software “AMCAP” page, as follows.
2. Windows Camera” page, as follows.
3. Software “Smart Camera” page, as follows.



\*Note: If the following situation occurs for a long time during the process of connecting the device to the computer using the data cable. You can try the following solutions:

- Firstly, please plug and unplug the Type-C cable repeatedly or plug the data cable into the USB port at the back of the computer case to ensure that the device is powered properly.
- Secondly, the software may not be compatible with the system, you can check if you are using the software installation instructions correctly.



#### **MacOS: MacOS X 11.0 or higher**

1. Open the software Cue escort you as the Photo
  1. Firstly, go to the "Applications" directory in the Finder window and find an application called "Photo Booth".



## 2. Connecting the device

1. Connect the microscope to your computer's USB port with the Type-C connector that comes with the microscope, press and hold the power button to turn on the device, and choose to enter PC camera mode. Open and run "Photo Booth".
2. Click "Photo Booth". and select the camera "USB CAMERA".
3. You can also use the alternative software "Quick Time Player".



## COPYING PICTURE AND VIDEO FILES

You can use a TF card reader to copy directly, or use a Type-C cable to copy from a computer.

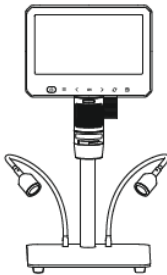
# A



Card reader



# B

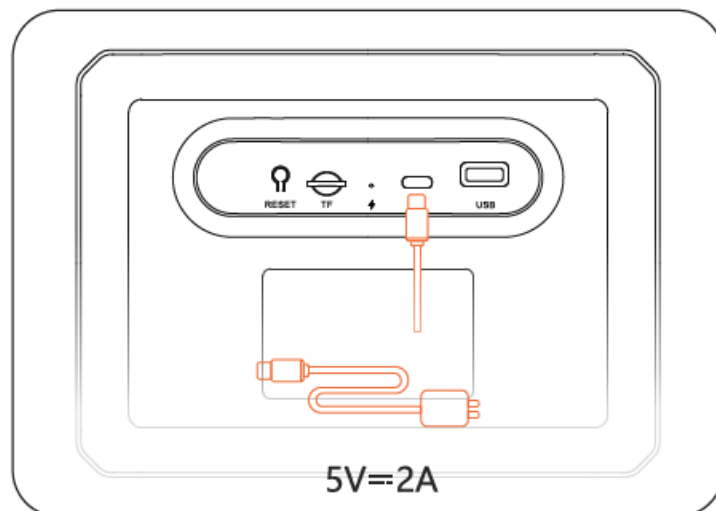


Type-C data line



If the device is not connected to the computer when copying, please restart the device or plug in the Type-C cable. Do not plug or unplug the Type-C cable during data transfer, as this may cause data transfer failure.

## CHARGING GUIDE



Note: Please use a 5V-2A adapter to charge your device.

- Connect the device to the Type-C / USB adapter for charging (5V = 2A), fast charging is not supported.
- During charging, the indicator shows a red light.
- When the device is fully charged, the indicator shows a green light.
- When the battery is low, both memory mode and PC camera mode cannot be used normally, and the battery must be charged beyond the 1/3 position before it can be used again.

## FAQ Help

1. The product cannot be switched on.
  - Confirm whether the product has power.
  - Confirm whether the power is connected
  - Confirm that the power supply is not sufficient due to the computer being used for charging.
2. The product is dead. Press the device reset button to force shutdown.

3. The image is not clear.
  - Whether the object being measured is correctly positioned directly below the lens.
  - Whether the focal length is adjusted to the optimum position?
  - Whether the light is used correctly?
4. Product charging. Please use 5V-2A adapter to charge the device.
5. TF card cannot be recognized.
  - Please check if the TF format is FTA32 format, if not, please format it; if not recognized, please re-plug the TF card. The device only supports high-speed memory cards above Class 10, excluding Class 10.
6. When using PC camera mode, the software does not show the picture after connecting to the computer.
  - Reconnect the product to the computer.
  - Check if you clicked into PC mode.
  - Whether the battery is low
  - Make sure that you are using the correct data cable and that you are not using a charging cable without data transfer function.

## **FCC Statement**

Any changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.

This equipment complies with Part 15 of the FCC Rules.

### **Operation is subject to the following two conditions**

1. This equipment will not cause harmful interference
2. This equipment must accept any interference received, including interference that may cause unintended operation.

## **FCC Radiation Exposure Statement**

This equipment complies with the FCC radiation exposure limits established for uncontrolled environments.

## **WEEE Compliance**



Proper disposal of this product (Waste Electrical and Electronic Equipment) (for countries with independent collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of their useful life.


To prevent uncontrolled waste disposal that may be hazardous to the environment or human health, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact the retailer or local government office where they purchased this product for details of where they can take these items and how to recycle them in an environmentally friendly manner.

Business users should contact their suppliers and check the terms and conditions of their purchase contracts

This product and its electronic accessories should not be mixed with other commercial waste for disposal.

---

## Documents / Resources

	<a href="#">Ashfly 331-A 7 LCD Digital Microscope</a> [pdf] User Manual 331-A 7 LCD Digital Microscope, 331-A, 7 LCD Digital Microscope, LCD Digital Microscope, Digital Microscope, Microscope
---	--

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.