



Ashfly 331-B LCD Digital Microscope User Manual

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Ashfly

Ashfly 331-B 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 losing it

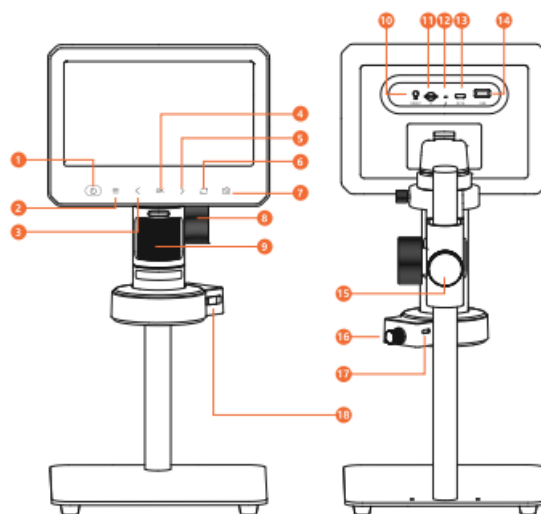
IMPORTANT NOTES

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
4. **OK key** Confirm selection / screen flin'
5. **Right selection key** Scroll down
6. **Mode switch key** Short press to switch photos, video, File browsing mode / long press to switch different color display modes
7. **Photo key** Short 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 and when it's done the areen light is only
13. **Charging interface** Input 5V = 2A
14. **Light power supply port** Outnut EV- 1A
15. **Lock screw** Can fix the lens height
16. **Brightness adjustment** Left for dim, right for bright.
17. **Light charging port** Input 5V = 1A
18. **LED light switches** Left for off, right for on

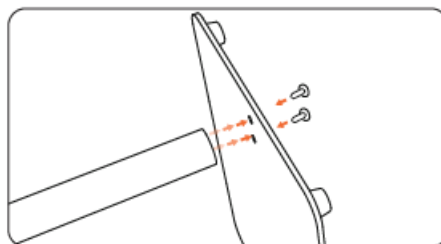
PIIODUCT SPECIFICATIONS

Lens	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

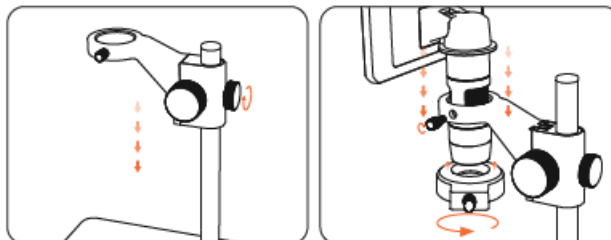
Screen size	Screen size	7.0"
	Screen resolution	1024*600P
Other	Operating systems	Windows XP/ vista/7/8/10/11, MacOS X 11.0 or higher
	TF capacity	Support expansion 0-64GB
	Input voltage & current	5V/2A
	Battery capacity	3000mAh lithium battery
	Operating time	1.5 hrs
	Charging time	3 hrs
	Operating temperature	-10°C ~ 50°C
	Camera working temperature	-15°C ~ 75°C
	Light source	30 high brightness LEDs (brightness adjustable)
	Languages	Simplified Chinese / Traditional Chinese / Japanese / English / Korean / French/ German / Spanish / Italian / Russian / Polish

STEPS TO USE

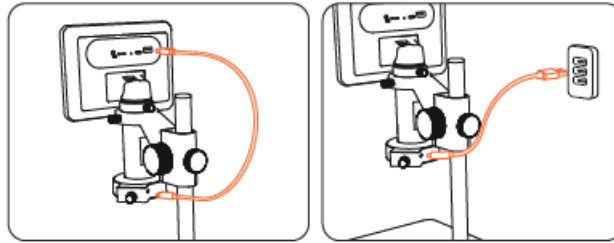
1. After unpacking, assemble the metal bracket as shown in the figure below.



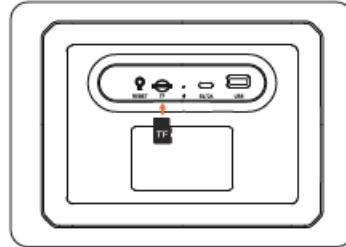
2. Fix the host and bracket, as shown in the figure below.



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



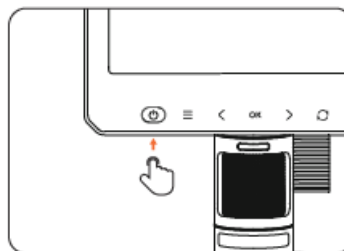
4. Before using this device, you need to insert the TF card.



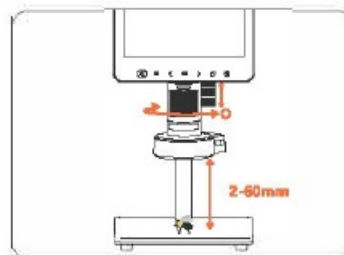
Insert the TF card

•Please insert the TF card when the power is off. From the front and back of the device to aid the insertion direction and the device will test the card so may line image Te

5. After fixing the workstation, press and hold the power switch button for 3 seconds to turn on the device and start working.

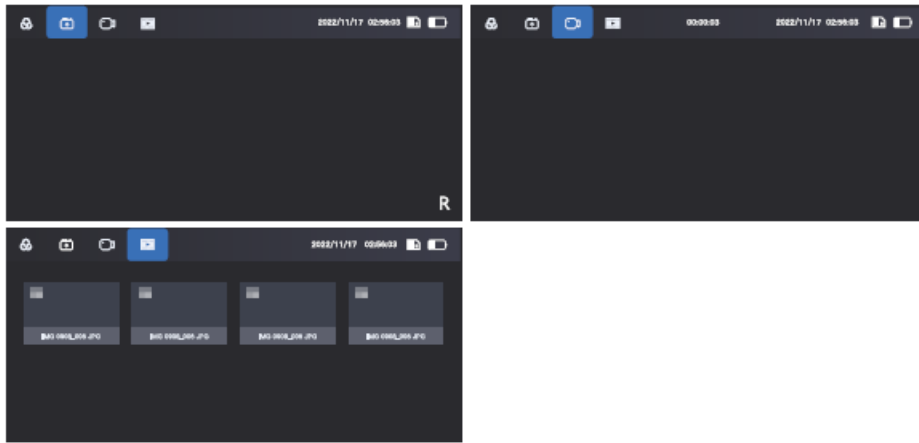


6. Adjust the support to move the lens up and down, and adjust the focus drum to obtain the required magnification for observation. Adjust the focus drum to the left when moving the lens downwards to increase the magnification and the right when moving the lens upwards to decrease the magnification.

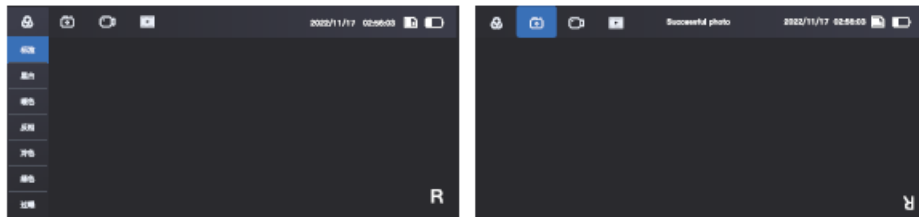


FUNCTION BUTTON

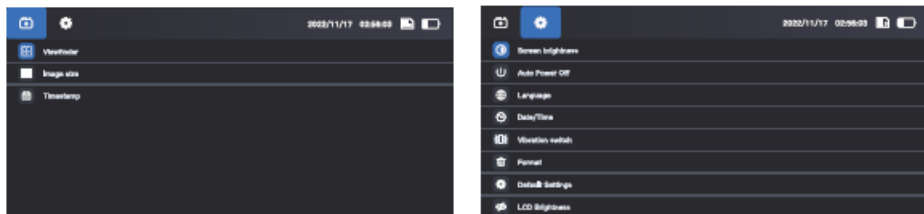
1. After switching on, the product is in "Photographic mode" by default. To enter the video mode photos, to start recording then click "Ⓜ" to end the recording, click "*" = " once again to enter the file browsing mode. Short press the '=' key to set as: "Photographic mode*" – "Video mode" – "File browsing mode", with three modes



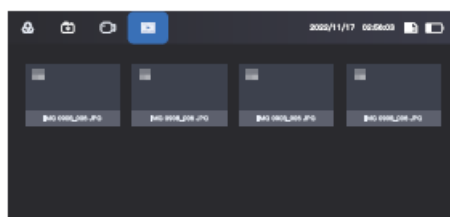
2. In "Photographic mode". Long press "*" to enter and click the switching mode. Click the key 4 – to switch between
3. In "Photographic mode" and "Video mode", click the "OK" key to rotate the image.



4. In "Video mode", click the "=" key to adjust the video-related parameters, and click "=", again to enter the settings page.



File browsing" mode operation instructions

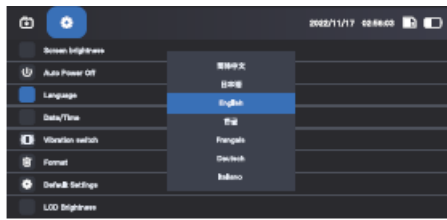


1. The photos and videos if you need to delete the current photo or video file, click "=" key to enter the delete page.



2. Function, check tele and right key for fast forward and reverse function.

"Setting page" operation instructions



1. Double-click the "=" key to enter the settings page.
2. Click the "4" and "D" keys to select the required menu item.
3. Select the required item, click the "*" key to enter, the desired parameters, and then click the "OK" key to confirm.
4. When finished setting, Click the "=" key to exit the setting mode.
5. The first time you use the device, you need to go to "E" 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
3. software, making the large screen more intuitive. Normal mode: normal use mode of the device.

Memory mode

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.

PC camera mode:(Only supports USB3.0 or above

the 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.

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

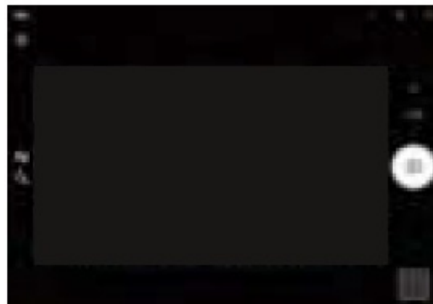
4. Connect your microscope to the USB port on the back of your computer case with the Type-C cable that comes with the microscope, press and hold the power button to turn on your computer, select to enter PC camera mode and open the computer software to use.
5. Different Windows systems are recommended to use different software, please choose to download the corresponding- ing software to use according to the system.

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: a. Firstly, 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. b. 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.

I. Open the software (we recommend using the Photo Booth software that comes with your Apple computer- 1. Firstly, go to the “Applications” directory in the Finder window and find an application called “Photo Booth”.



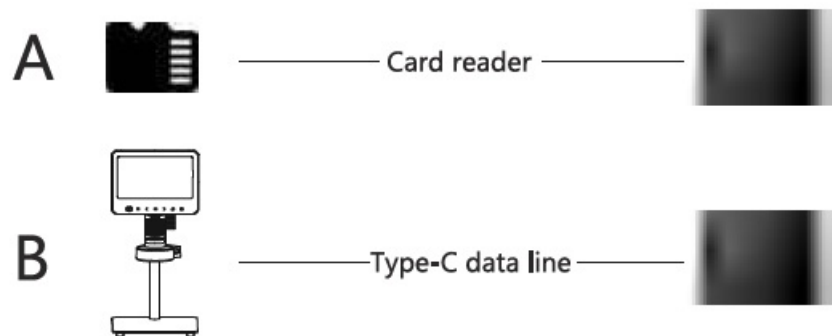
Connecting the device

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”



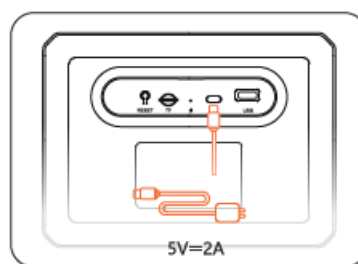
COPYING PICTURE AND VIDEO FILES

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



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 m 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, beyond batteries, post be charred can no tread Annin

FAQ Help

1. The product cannot be switched on .

1. Confirm whether the product has power.
2. Confirm whether the power is connected.
3. Confirm that the power supply is not sufficient due to the
4. computer being used for charging

2. The product is dead.

1. Press the device reset button to force shutdown.

3. The image is not clear .

1. Whether the object being measured is correctly positioned directly below the lens.
2. Whether the focal length is adjusted to the optimum position?
3. Whether the light is used correctly?

4. Product charging.

Please use the 5V-2A adapter to charge the device.

5. TF card cannot be recognized.

1. 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.

1. Reconnect the product to the computer.
2. Check if you dicked into PC mode.
3. Whether the battery is low.
4. 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

	Ashfly 331-B LCD Digital Microscope [pdf] User Manual 331-B LCD Digital Microscope, 331-B, LCD Digital Microscope, Digital Microscope, Microscope
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References

- [User Manual](#)