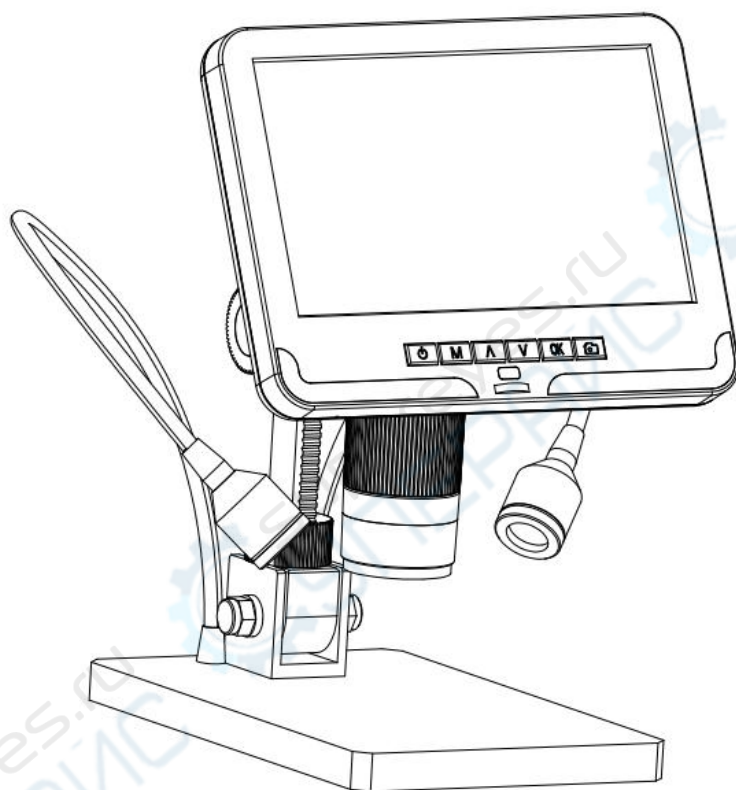


Digital Microscope AD206 Users Manual



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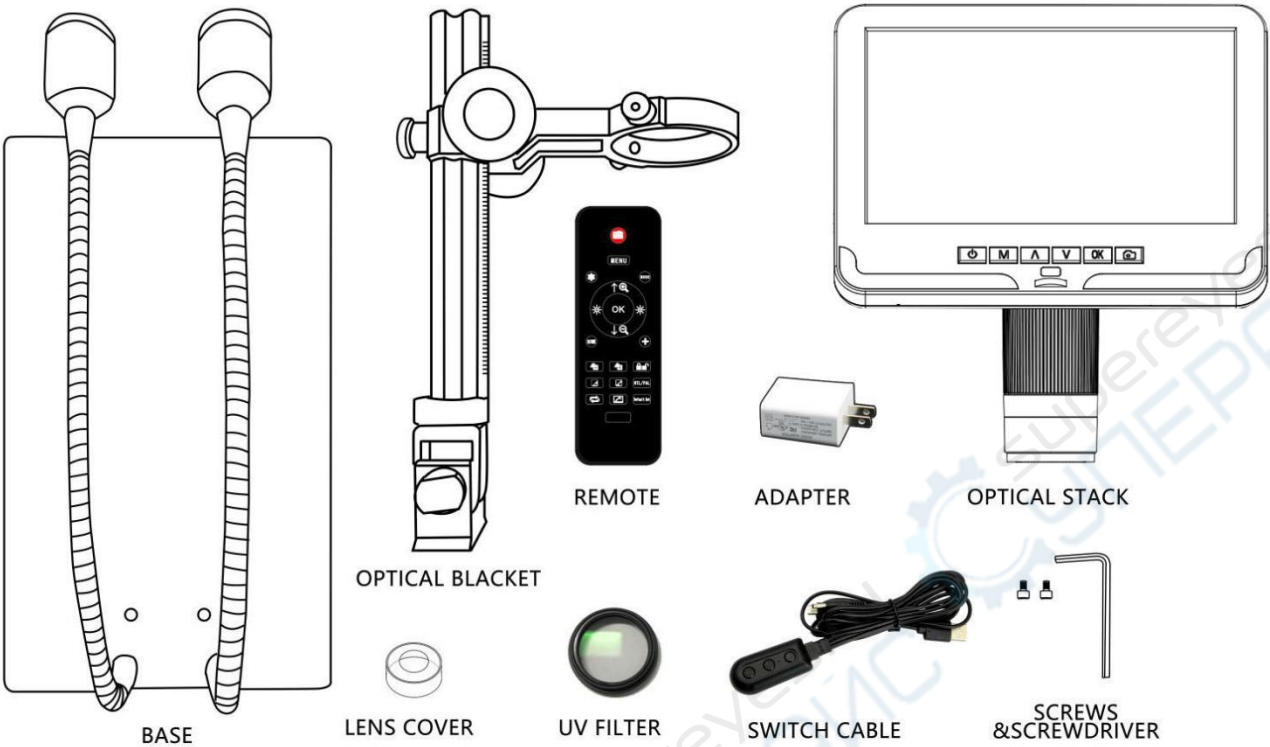
Safety and Maintenance

1. Please read this manual before use the microscope. If you do not follow the instructions, it's possible to cause the device damaged.
2. The assembly includes small parts, particularly the thumbscrews used to hold the main device in place. Do NOT allow unsupervised access by infants or toddlers.
3. The microscope is not intended for field use. It is not waterproof, and should not be exposed to extreme temperatures. Users can refer to the preservation management methods of general electronic equipment, such as laptops.
4. The surface of the lens at the bottom of the main device should be cleaned whenever you start to notice a degradation in image quality. Use a microfiber cleaning cloth with few drops of lens-cleaning fluid on lens cleaning tissues.
5. The rest of the microscope can be cleaned with a damp cloth.
6. The display on the device is very fragile. Please use it with care. Do not drop, press hard or touch the display with sharp objects. The display is not waterproof, please clean it with dry and soft material. Do not press the display when adjusting the angle of the display.

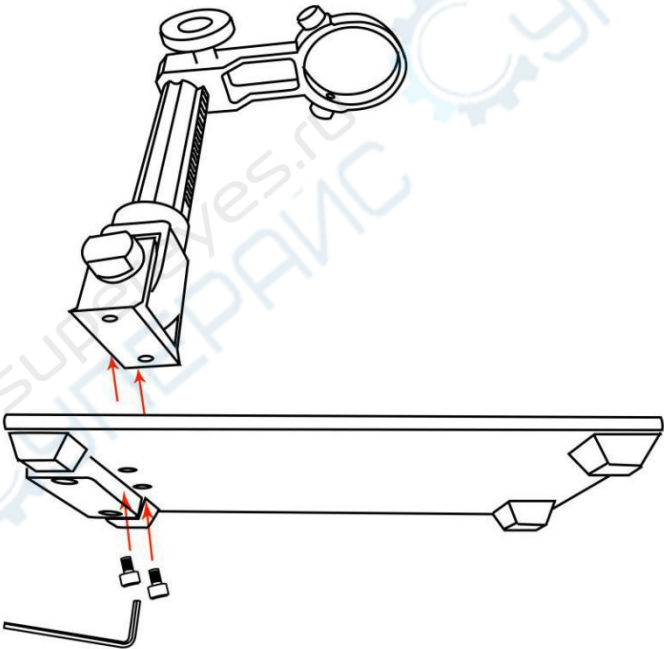
Basic Parameters

Image sensor	2Mega Pixels HD Sensor
Video output	FHD1920X1080 30FPS; 1080P 1440X1080 30FPS 720P 1280X720 30FPS,
Video format	AVI
Magnification Ratio	Up to 200 times
Photo resolution	MAX 12M (12M 4032*3024)
Photo format	JPG
Focus distance	2CM-17CM
Frame Rate	Max 30f/s
Storage	Micro-SD card, up to 32G
PC support	No
Power source	5V DC
Stand size	20cm*12cm*19cm
Screen size	7 inch
Package Included	Microscope×1 Metal stand×1 IR remote×1 Power adapter×1 Switch cable×1 Lens cover ×1 UV filter×1 Instructions×1
Packing data	1. 4KG/32*22*10CM

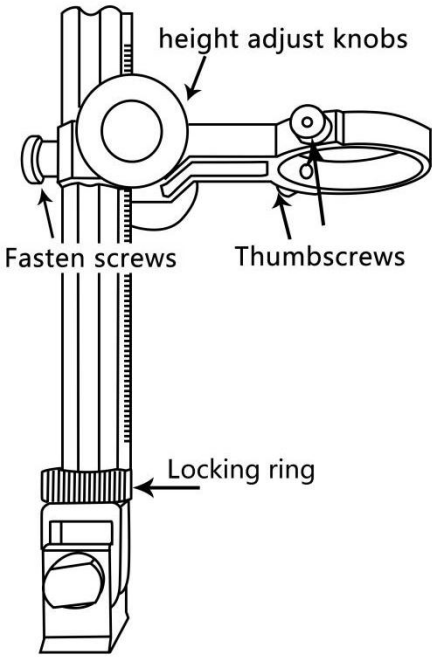
What's in the box



(P1, what's in the box)



(P2, Assembly1)



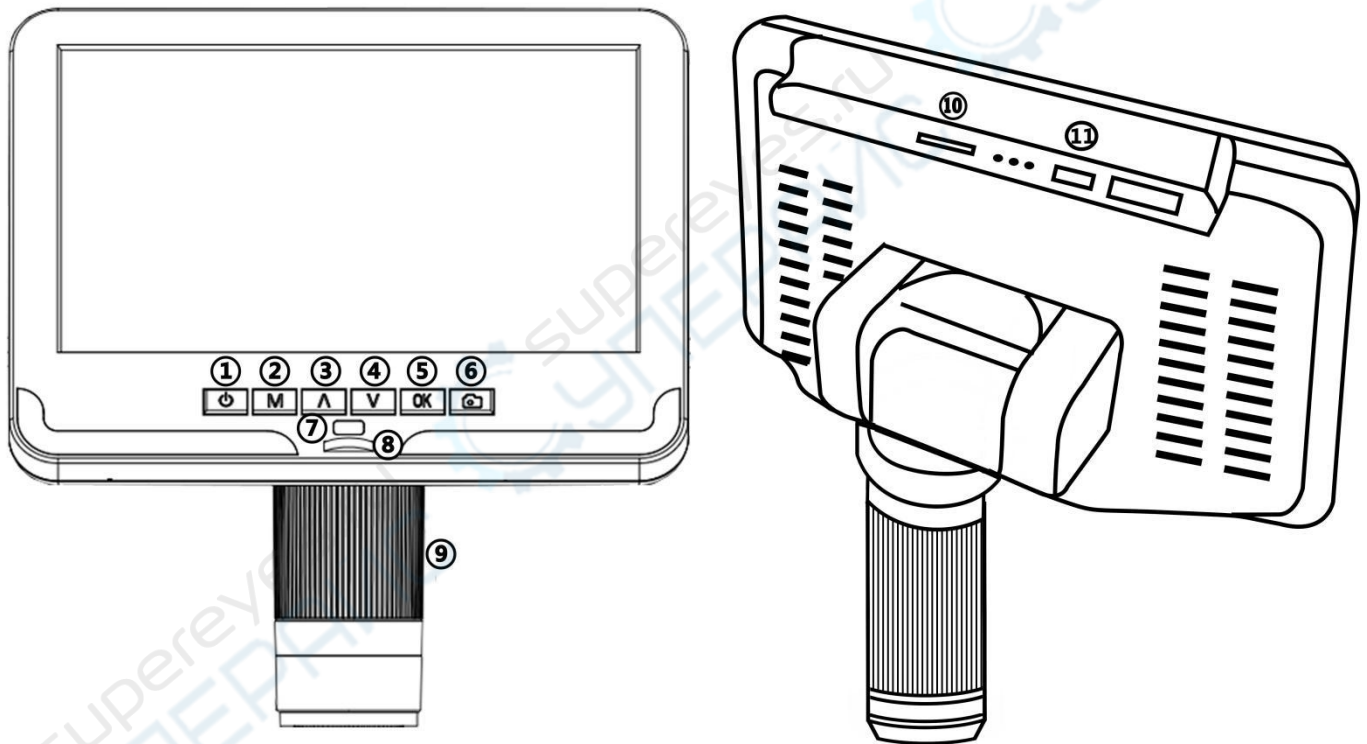
(P3, Assembly2)

Assembly

1. Screw the optical bracket on to the base (see the left picture above, P2).
2. Once you have done so, if the bracket is not aligned over the base, unscrew the locking ring, adjust the bracket's direction, and then turn the locking ring clockwise until it is tight. (After doing this, it will still be possible to hold the base and turn the bracket if sufficient force is applied, but it will not spin freely.)
3. Loosen the small thumbscrews on the optical bracket.
4. Slide the optical stack in to the ring of the optical bracket.
5. Tighten the thumbscrews to hold the optical stack in place.

If done correctly, you should be able to not just turn the focus controller of the optical stack freely, but also freely adjust the monitor, the angle between the base and the optical bracket, while the rest of microscope remains in place. If you have any question or problem for assembly, please contact us as soon as possible, so you won't damage the device during assembly.

Buttons



(P4, buttons)

- ① Power on/off
- ② Mode/menu
- ③ Up
- ④ Down
- ⑤ OK/Start video record
- ⑥ Picture capture
- ⑦ Infrared sensor (when you are using the

remote, please point the remote to this so the device would response)

- ⑧ Light controller
- ⑨ Focus controller
- ⑩ Memory card slot
- ⑪ USB port



(P5, remote buttons)

*Frozen: Keep the image on the screen. It works at standby, record modes.

*Zoom in&out: digital zooming up to 8 times.

*Brightness up&down: exposure compensation from +2.0 to -2.0.

*Line Settings: '⊕' on the remote is for net line setting.

*Sharpness up&down: there are three levels of sharpness: Soft/Normal/Strong. Those two buttons are both used to switch the levels, but in different orders.

*Contrast up&down: same principle as Sharpness.

*Image Rotate: refer to pictures in below:

Normal

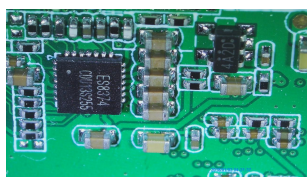


Image Rotate

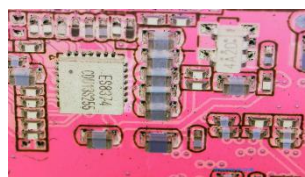


*Inverse: refer to pictures in below:

Normal

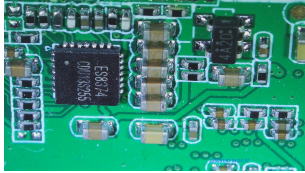


Inverse

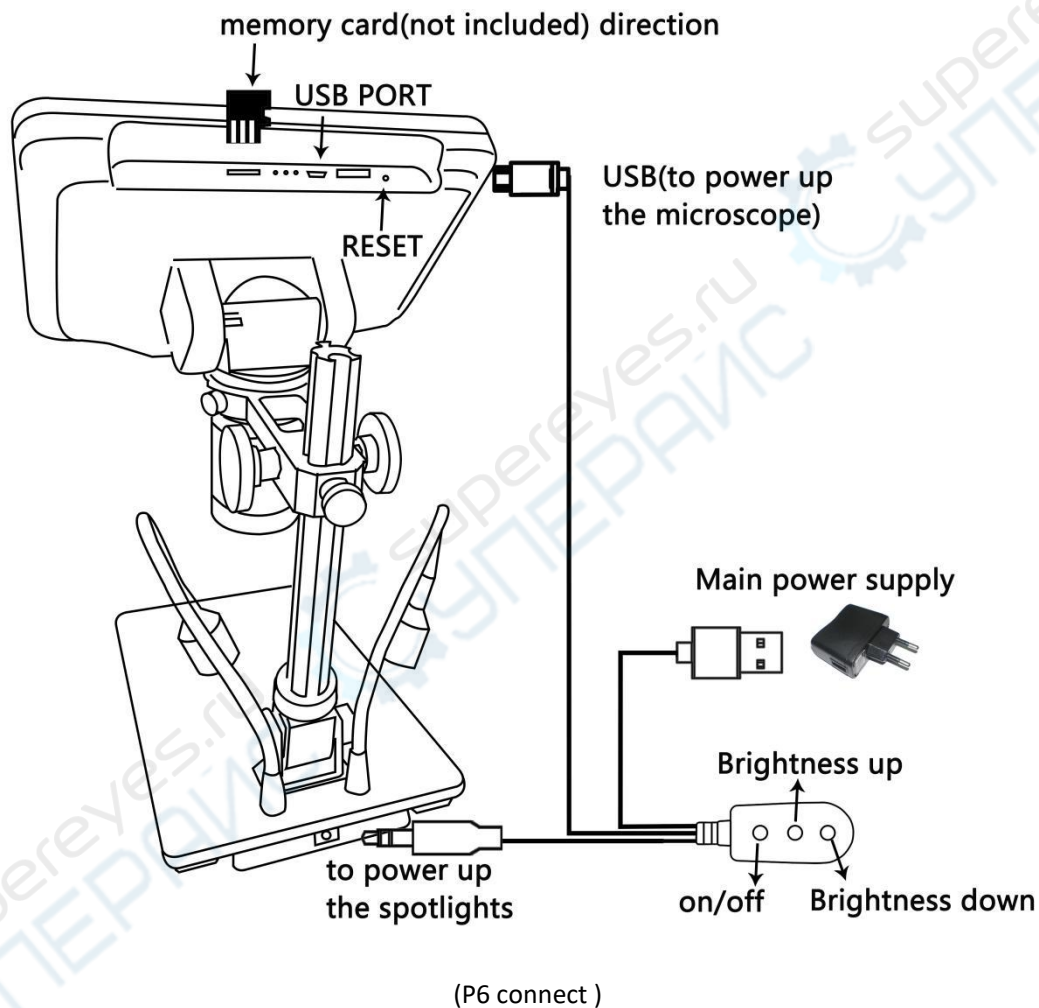
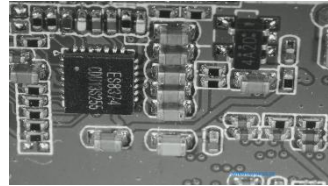


*Black & White: refer to pictures in below:

Normal



Black & White



Quick start

Connect

Firstly, connect the optical stack to the power supply via the switch cable. See the picture(P6) above.

Switch on

Then press and hold the Power button (① from the P4 “Buttons”) underneath the display until the display turns on. (It may turn on automatically while connecting cables at the first time, and it’s totally fine.)

*Troubleshooting

If the display freezes, locate the “reset ” hole on the back of the monitor. Use a narrow object such as an unfolded paperclip to depress the button located inside. This resets all settings to their factory values and restarts the display. It does not erase saved images or video.

Adjusting the Magnification and Focus

- ① Use the large knobs on the optical bracket to raise or lower the optical stack to the desired height. The lower the height, the greater the magnification is. But be careful not to let the bottom of the stack contact the object being imaged. (Note that you may need to reposition the spotlights as you move the stack up or down.) Turn the Focus controller(⑨ from the P4 ‘Buttons’) to focus the image.
- ② To increase the digital magnification, press and hold the Up button (③ from the P4 ‘Buttons’) until the desired digital magnification is reached. Use the Down button(number ④ from the picture ‘Buttons’) to decrease the digital magnification.

Using a Micro SD Card to Save Images

By using a Micro SD card (not provided), you can save images and videos to review later or export to a computer or other device .

Insert the Micro SD card in to the TF slot on top back of the monitor. (be careful with the direction. The side which has metal exposed should face down. See the picture 6) Push it in until you hear a click. (If you don't push it in far enough, it will be ejected.)

The Mode button(number ② from the picture “Buttons”, marked with an "M") can be used to cycle between three modes: video standby (□), still image (📷), and review (📺). In video standby mode, there shows 'time' & '1080FHD'(white color font)at the top right of the display. The 'time' means how many time the rest storage of the card would allow you to record video. The '1080FHD' means the video resolution is 1080FHD in this mode.

To record videos

Press the OK button(⑤) briefly to begin recording. The elapsed time(red color font) in the recording will appear at the top right. To stop recording, hit the OK button again. The OK button on the remote has the same function.

To Capture pictures

There are two ways to capture pictures. In the recording video mode, press the Picture Capture button(⑥)(Marked with a camera) briefly to capture an image. In the still image mode, press ‘OK’ button to capture an image. The picture capture button and ‘OK’ button on the remote has the same function.

Note: You can’t take pictures or videos in Preview mode

Reviewing and Managing Images

To review and manage images on the display, use the Mode button to select review mode. Use the Up and Down buttons to cycle through the pictures and videos.

To play a video, press the OK button to start play. Press the OK button again to pause. Press Mode button to stop playing the current video.

Hit the Mode button again to exit playback mode.

While reviewing a still image or video, the Menu button can be used to provide additional options. Press the Menu button and hold for a while till options show up.

Delete:

Delete Current: deleting just the current image/video;

Delete All: deleting all unprotected images and videos;

Protect:

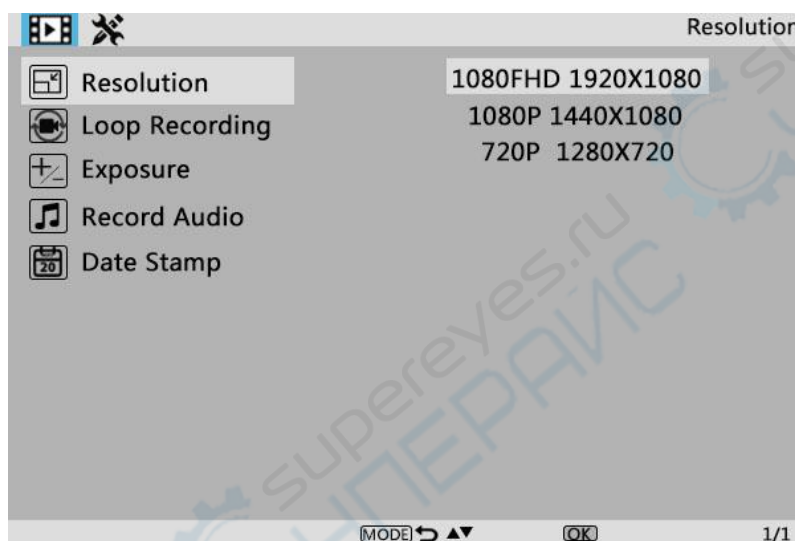
Lock Current/All: provides protection for the current/all image/video from deleting accidentally, but not from Format function;

Unlock Current/All: unlock the current/all image/video.

Settings

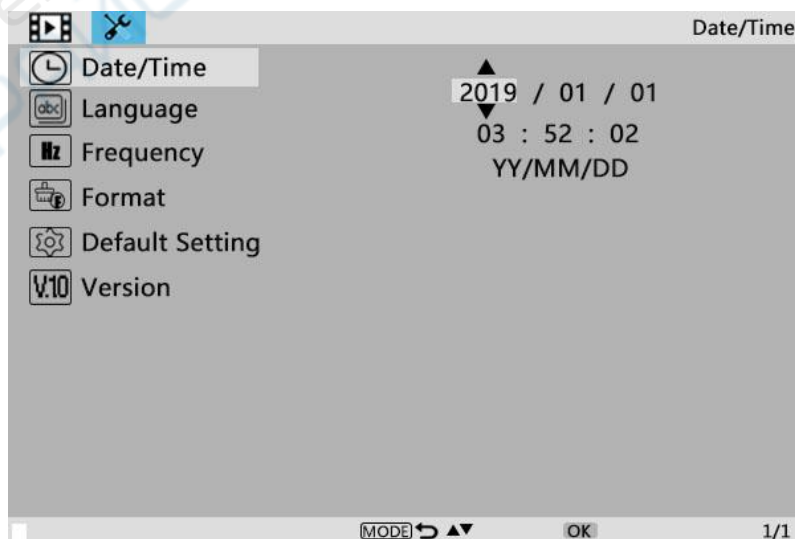
In each mode, press the M button and hold it for a while until the Video/Still/Playback Menu shows up on the display(Or you can press MENU button on the remote). Hit M button again, get into the general Setup Menu.

For example, if you are in Video standby mode, and you press MENU, this is the first menu would show, the “Video menu”:



(P7, video menu)

Then, press MENU button (or M on the monitor) again, you get into the Setup menu, like this:



(P8, setup menu)

Date/Time

Press “OK” into Date/time setting. Use “Up” and “Down” to select the correct number for year/month/day. Once you finish setting a number, press “OK” on the monitor to the next number. Or, you can use “Left” and “Right” on the remote to get to the one that you want.

Press “MENU” button **on the remote** to exit date/time setting directly. If you don’t have the remote, you have to go through all over these settings one by one and then press OK again to exit.

To save settings

After you set everything right, you should turn off the device by pressing ON/OFF button **on the monitor** and hold it until the device switching off.

If you turn off the device by pressing the button on the switch cable, or just simply cut off the power supply, the setting would not be saved.

Warranty Card

Warranty Card		
User’s name:	Address:	
Phone number:	Post code:	email:
Model name:	Purchase date:	
Fault feedback:		
Date:	Fault:	
Notice:		
Our warranty doesn’t cover:		
1	If users can not provide the purchase proof or the Warranty.	
2	If users use it in an improper environment, such as incompatible power supply, high temperature environment etc.	
3	If the fault caused by accident, oversight, misoperation or natural disasters etc.	
4	If the fault caused by people who are not belong to authorized organizations of our company during repacking, repair, dismantle, Or if users repack, repair or dismantle the device not following our advice.	
5	Out of warranty period.	