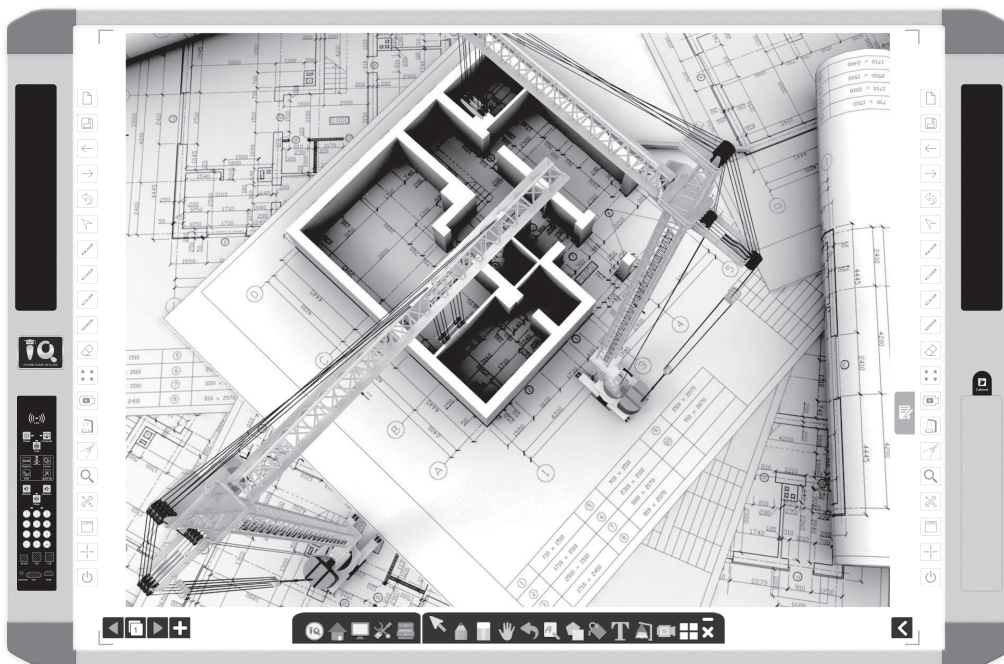


# IQAIQ

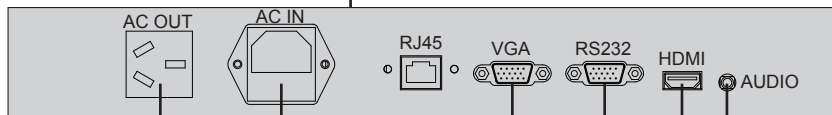
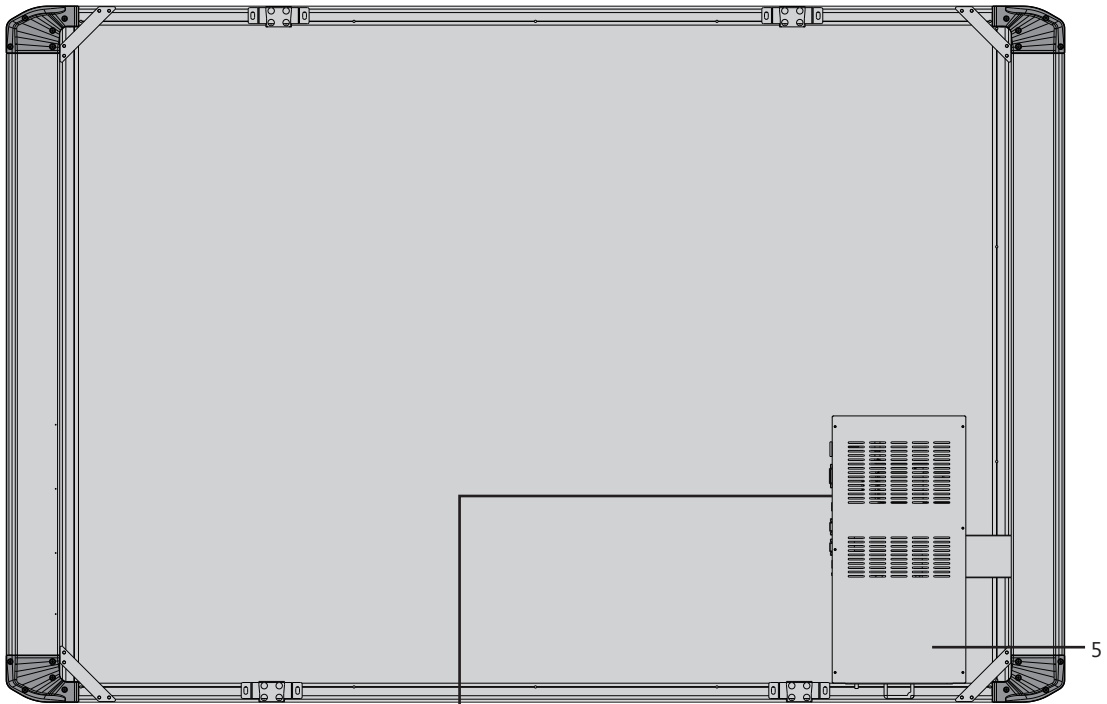
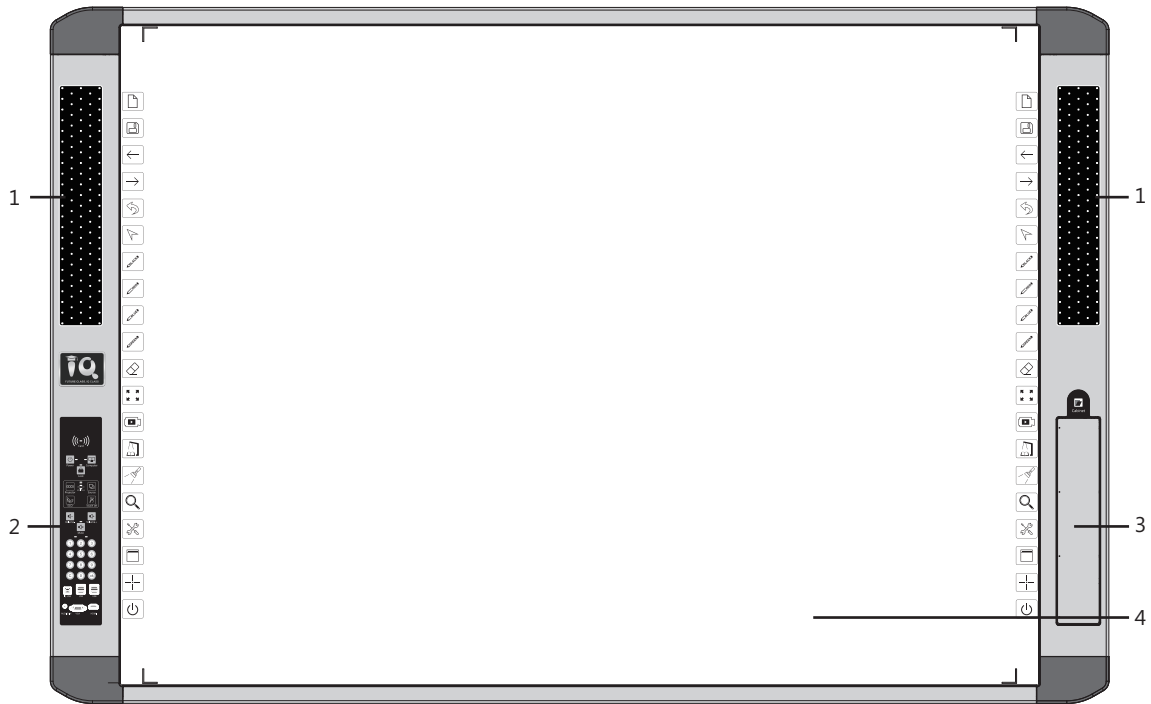
## —User Manual—



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# Chapter1 Product Review



- 1. 2\*25W Speakers
- 2. Central Control Panel
- 3. Document Camera
- 4. Interactive Whiteboard
- 5. Built-in Computer-Central Control

6

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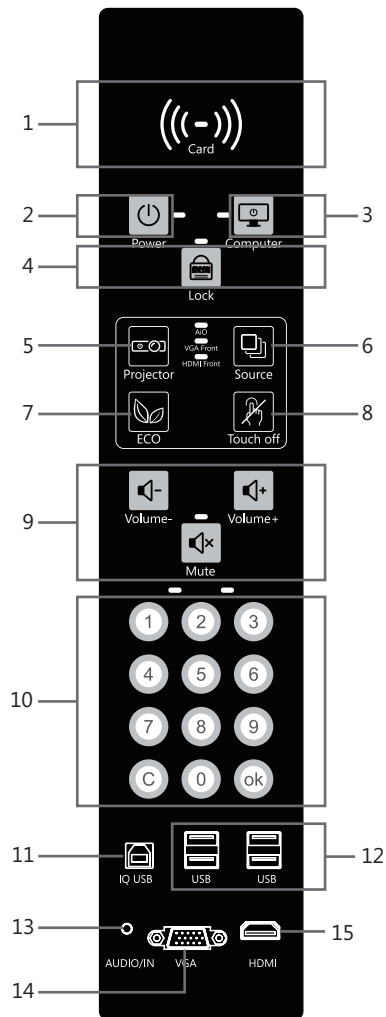
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- 6. AC OUT \*1
- 7. AC IN \*1
- 8. VGA \*1
- 9. RS232 \*1
- 10. HDMI \*1
- 11. Audio OUT \*1

# Chapter 2 Central Control Panel



1. Card response area: Boot up the device with the card.
2. Power: Power on/off the device.
3. Computer: Power on/off the PC.
4. Lock: Freeze the functions on the panel.
5. Projector : Boot up/shut down the projector.
6. Source input: Switch signal sources between PC, front VGA and HDMI.
7. Touch off: Disable the touch function and screen off.
8. Eco mode: Start the power-saving mode of projector.
9. Volume adjustment: Turn up/down the volume or mute.
10. Number keys: Input or reset digital code.
11. IQ USB port: Enable touch function when connected to external device.
12. USB ports: USB IN\*4
13. Audio port: Audio IN\*1
14. VGA port: VGA IN\*1
15. HDMI port: HDMI IN\*1

# Chapter 3 Power on/off the Device

## 3.1 Enable the device

### · Boot up with IC card

Put the IC card on the card response area and after the beep sound, the device will boot up, together with the PC and projector if it's set with correct starting control code. At the same time, central control, amplifier and wireless MIC will be power on. To use the document camera, users just need to press switch to open the door and lift up the arm.

### · Boot up with the digital code

Press 'OK' key and stop when blue and red lights show up, then input the digital code to boot up the device. Please kindly note that the digital code mode will exit if user fails to input the number within ten seconds. For more detail, please check "Chapter4: Digital Password and Card Setting".

### · Other methods

User could press the keys at front panel to start the projector, switch signal source, restart the PC, adjust the volume and etc.

## 3.2 Disable the device

· Put down the arm of document camera and close the door manually.

· Press "Power" button to shut down the device. Please kindly note that it will be postponed for 3 minutes after shutting down the device to entirely power it off, which is to make heat dissipation of the projector.

# Chapter 4 Digital Password and Card Setting

## 4.1 Digital code

Name	Default Password	Function	Remark
User	0000	Boot up	Available for changes
Administrator	9999	Boot up	Available for changes
		Set user's password	
		Set administrator's password	
		Set the IC card	

### Steps:

- Press 'OK' key until the blue and red lights show up to enter the password mode.
- Input the password for user or administrator correctly to boot up the device. If the password is wrong, the beep sound will come and blue light will flash, and user could input the password again.
- If user fails to input the whole number, he could press 'C' key and the red light will flash. Clear all the number and please input the number once again.

\*Note: If user fails to input any number after 10 seconds, the password mode will exit.

### 4.1.1 How to Set the Digital Password

- Press 'OK' key long to enter setting mode
- When blue and red lights show up, please input the administrator's password correctly to enter setting mode. If wrong, the beep sound will come. When blue light shows up, users could input the password once again.
- When only blue indicator lights, it means ready for setting the user's password. When only red indicator lights, it means ready for setting the administrator's password. Then press 'C' key and press the 'OK' key to input the new password.
- When inputting the new password, only blue light will flash. After inputting, press 'OK' key to confirm or 'C' key to clear it.
- After press 'OK' key to confirm new password, the red light will flash only. User should input the new password again and press 'OK' to confirm it again.
- If the password input twice were the same, the setting mode will exit.

\*Note: The setting mode will exit if user fails to input or there is no response to the IC card.

## 4.2 IC Card

- Press 'C' key and blue and red lights flash to enter IC card setting mode.
- Input the administrator password at first.
- The setting will get started if the password is right and the blue light flashes. If setting is done, blue and red light will flash. Then it will enter the second card setting mode.
- Setting of second card will get started if red light flashes. If the blue and red light flash, it means setting is done.

### 4.2.1 How to use the card

If the card is set already, please put the card on the response area to boot up the device. If the card is wrong, the beep sound will come continually and the red light will disappear for a while.

### 4.2.2 Reset card mode

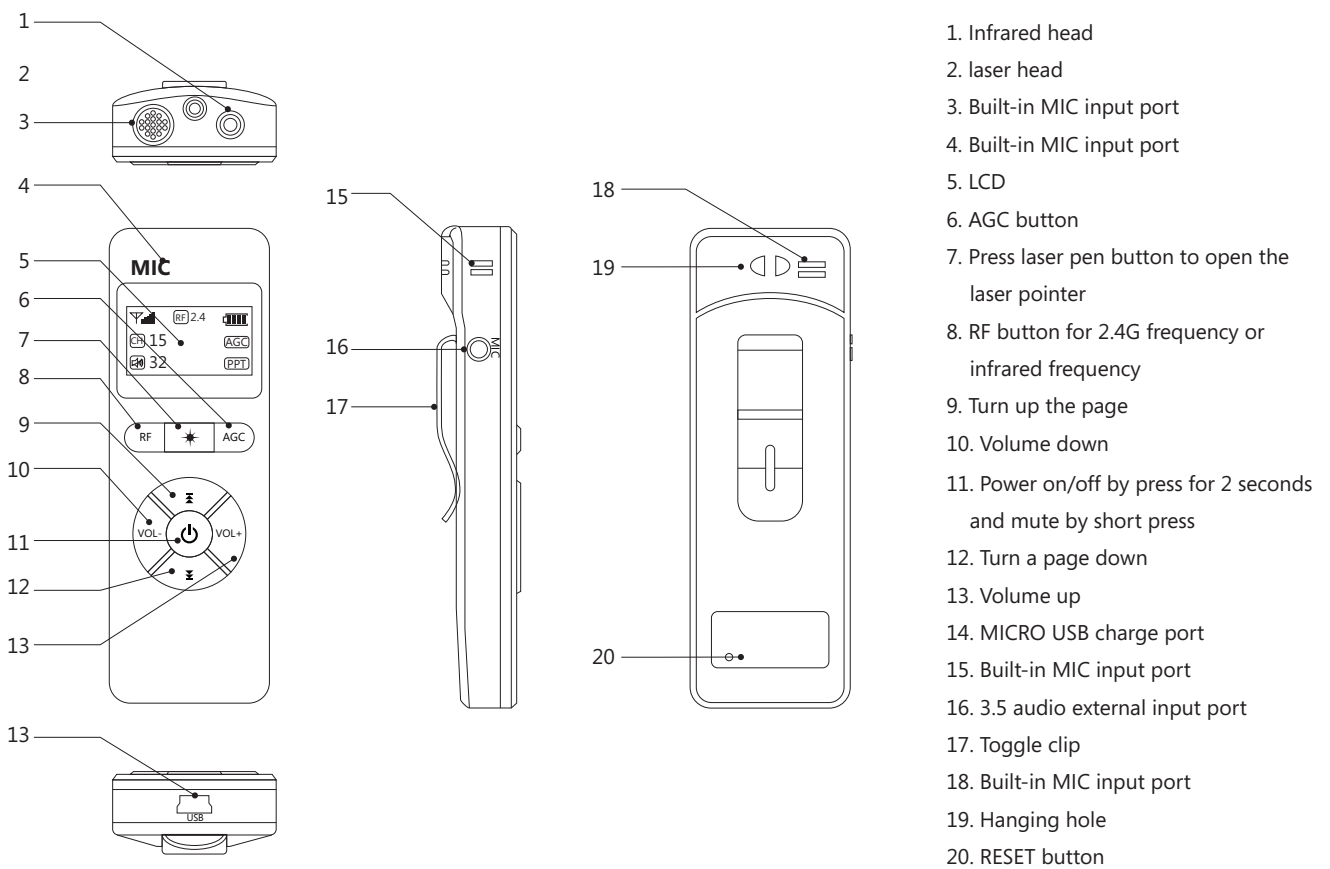
- Long press the 'C' key to enter reset mode
- Input the password of factory administrator, then long press 'OK' key to confirm the password. After resetting, the password will become default password, and it's required to reset the card also.

# Chapter 5 Wireless MIC

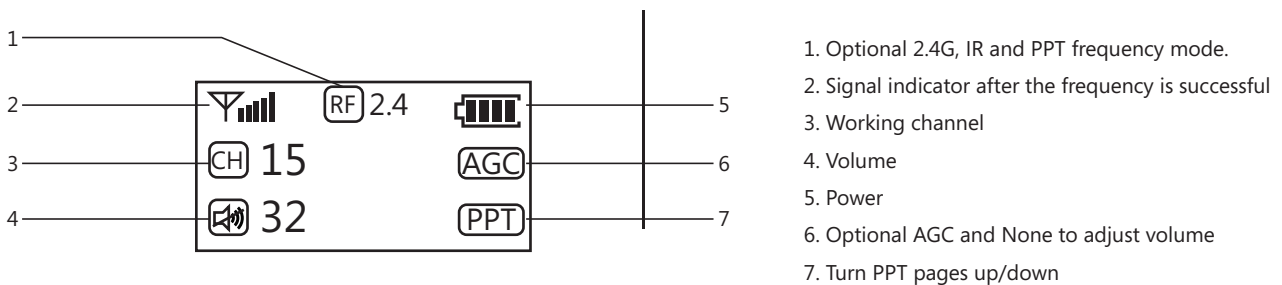
## 5.1 Operation Guide

- Start the MIC Receiver and then press the power button for two seconds to power Wireless MIC on. Please make sure the distance is within 5 meters. The signal and the PPT icon in the screen will flash. Press switch keys to choose 2.4G (2.4G frequency), IF (infrared frequency) or PPT (PPT alone). The icon stops flashing if the pairing is successful. The PPT icon will display when the PPT module is turned on.
- After the pairing is finished successfully, press the audio button to switch into AGC or None. Short press the power button to mute, and shut down the machine by long pressing the power button.
- The laser pointer can be used directly without opening the microphone. And it is automatically switched from the built-in microphone to the external microphone when the external microphone is connected.

## 5.2 Device Overview



### 5.2.1 LCD Display

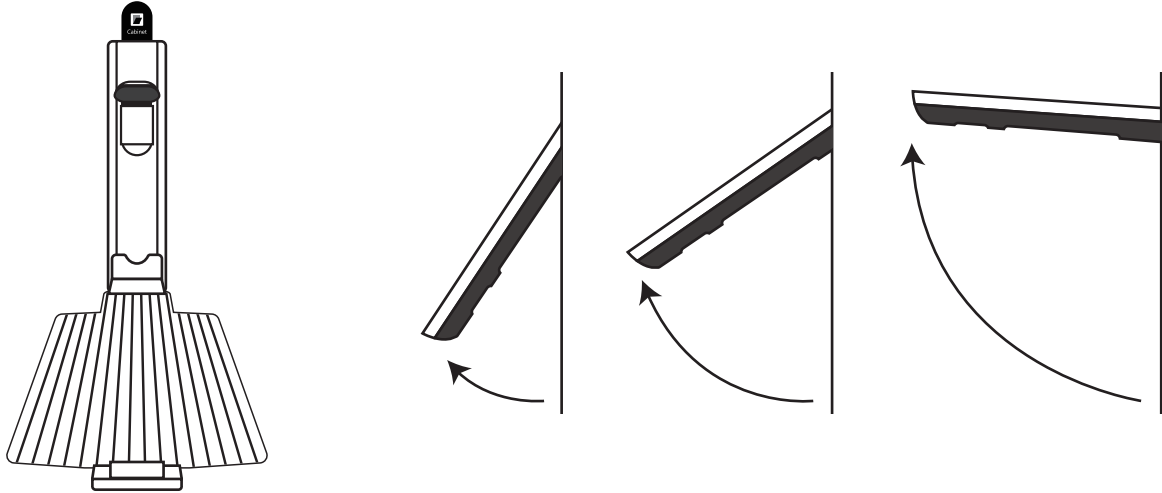


# Chapter 6 Document Camera

## 6.1 Steps to operate document camera

- Open the door and gently unfold the document camera.
- Put the object on the display stand and run the "IQ Interactive Education Platform V6.0" software to make physical display, dynamic annotation, contrast teaching and other functions.

\*Note: Please adjust the brightness if it's too dark and refer to the software user manual for more details.



# Chapter 7 Projector Control Code

With the IQ Control code software, the control code to power on/off the projector could be written and kept in the central system for more convenient operation on the projector. (IQ Control code software is saved in E:/IQBoard)

## 7.1 Steps to set the control code

- Make sure the connection of the IQAiO and projector is OK.
- Enter the "Device Manager" of the computer to check the projector serial number and run the software.
- Find out the right code for the projector. If the code isn't available, please set the code correctly. Take the EPSON projector as example, please refer to the operation as below:

**Model:**

EPS-820, EPS-811  
Baud rate: 9600  
HID: Vid:Ox:1314,Pid:Ox:1066

**Command:**

POWER ON: ` PWR ON ` ,Od,Oa  
POWER OFF: ` PWR OFF ` ,Od,Oa  
RGB INPUT1: ` SOURCE 11 ` ,Od,Oa  
RGB INPUT2: ` SOURCE 21 ` ,Od,Oa  
VIDEO: ` SOURCE 41 ` ,Od,Oa  
S-VIDEO: ` SOURCE 42 ` ,Od,Oa

- After setting the serial number, configuration and commands, please click "send".

# Chapter 8 Specifications

<b>Name</b>	IQAiO	
<b>Model</b>	GR511	
<b>Size</b>	91"	102"
<b>Overall Size(mm)</b>	1981*1302 (90.8")	2308*1302 (101.8")
<b>IWB Size(mm)</b>	1719*1234 (83.1")	2045*1234 (93.8")
<b>Active Projection Size(mm)</b>	1632*1224 (80.3")	1958*1224 (90.9")
<b>Aspect Ratio</b>	4:3	16:10
<b>Device Main Control</b>	i3/i5 Dual Core Processor, 4G RAM, 500G HD with Graphics Card, Gigabite Ethernet	
<b>External Interfaces</b>	USB 2.0*4, External PC USB input*1, Audio 3.5 mm input*1, VGA*1, HDMI*1	
<b>Back Interfaces</b>	Audio 3.5mm output*1, VGA output*1, HDMI output*1, RS232*1, AC 220V input*1, AC 220V output*2	
<b>Appearance</b>	Dual-cavity symmetric structure. Aeronautic aluminum frame with no painting, magnetic interference free and corrosion-resistant material	
<b>Audio Frequency</b>	2*25 W	
<b>Wireless Mouse and Keyboard</b>	Ultra-thin fashionable wireless 2.4G suite	
<b>Power Supply</b>	100~240V 50/60Hz	
<b>Optional</b>	PC, document camera, Wireless MIC	

## Central Control Panel

<b>RFID Card</b>	Power on by RFID card
<b>Indicators</b>	Power on/off, PC on/off, one key locking, mute, signal source(mother board, front-VGA, front-HDMI),
<b>Digital Control</b>	number keys and other indicators showing working status to avoid maloperation
<b>Panel Keys</b>	Number keys to control power and other functions PC on/off, projector on/off & ECO mode, 3 kinds of AV signal switch, lock button, touch off control, volume adjust & mute

## Interactive whiteboard

<b>Technology</b>	IR Technology
<b>Touch Points</b>	6, 10,16
<b>Input Way</b>	By pen or any opaque object.
<b>Physical Resolution</b>	32768*32768
<b>Response Speed</b>	8 m/s
<b>Position Accuracy</b>	0.05 mm
<b>Interface</b>	USB 2.0 and above

## Wireless MIC

<b>Frequency Range</b>	2.4G (Automatic Frequency-matched, support 100 classrooms using at the same time without disturbing)
<b>Buttons</b>	Power Switch, Laser, Volume, Mute and others
<b>Working Range</b>	15M (without barrier)
<b>Continual Working Hours</b>	8 to 12 hours (built-in lithium battery, rechargeable, energy-saving & healthy)

## Document Camera

<b>Scanning Area</b>	A4
<b>Camera Lens</b>	CMOS Prime Lens
<b>AF</b>	Yes
<b>Frame Rate</b>	≤30 fps
<b>Pixels</b>	5 Mega Pixels, 8 Mega Pixels
<b>Resolution</b>	2592*1944(max) , 3264*2448(max)
<b>Light Source and Control</b>	1W LED light source compensation
<b>Port</b>	USB 2.0
<b>Power</b>	Powered by USB Port without external power supply
<b>System Support</b>	Windows XP/2003/VISTA/7/8/10 without driver

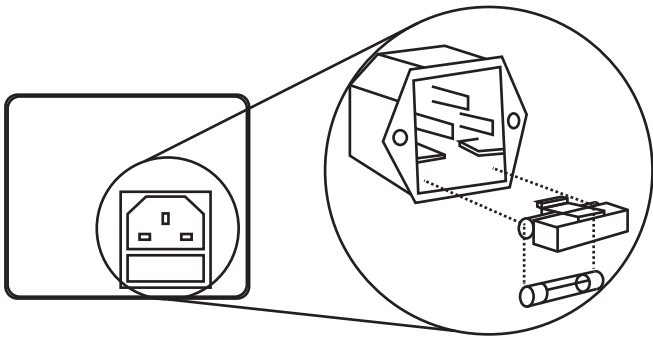


## Chapter 9 Attention

- The power for the IQAiO is 100~240V 50/60Hz.
- Please don't disassemble the device or fill it with impurity.
- Please keep the device away from the heat, water and the corrosive things.
- Please power off the device before clean it with soft cloth. Don't clean it with liquid or gas cleanser.
- Suggested temperature is between 0℃ and +40℃.
- Please unplug the power line if the device hasn't been used for a long time and when the projector has dissipated heat entirely.
- Keep the antenna accessories distant from the metal.
- Use wireless MIC in a dry environment without any liquid.
- Avoid collision or fall of the wireless MIC from the height.
- The battery of wireless MIC must be charged at least once in three months.

## Chapter 10 Trouble Shooting

The power indicator doesn't light after the device is power on.  
Please check whether the fuse is damaged and refer to the picture below.



### Reversed display of the projector

Select the reverse projection in the menu of the projector to display normal image.

### Computer screen fails to display

Select the signal source of PC/VGA 1 and check again.

### The projector isn't started

Check whether the control code is correct and RS232 is connected well.

### No sound from the wireless MIC

Check whether the volume of wireless MIC has started and the antenna is connected.

Check whether the emitter is power on.

### Central control panel isn't power on

Check whether the fuse is damaged or the central control panel is power on.

### No sound from the computer while the screen displays well

Press "Mute" key to restore volume if the central control panel is mute.

Check whether the computer's volume is turned down or is muted.

### Fail to start the computer after shutting it down

Check whether it's at least three minutes after power it off.



STOCK CODE  
**836453**



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