



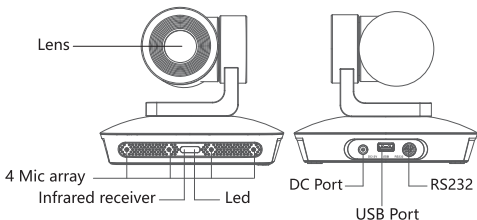
## **Video Conference Auto Tracking Camera - VC0004**

### **User Manual**



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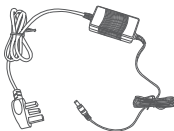
# 1. Product Display



## 2. Packing Box



PTZ Camera x 1



Power Adapter x 1



Remote Control x 1



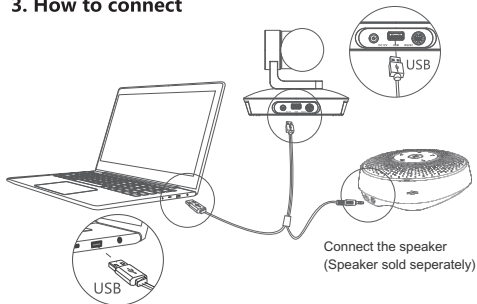
USB Cabel x 1



User Manual x 1

- 4 MIC Array System
  - 4 Digital MIC Array, 10 meter voice pick up
- Automatic Echo Noise Reduction Control(AEC)
  - Automatic Gain Control(AGC)
  - Automatic Noise Reduction Control(ANC)
- Automatic Voice Location
  - The camera will follow the voice and automatically locate the person speaking, So that the speaker in the meeting will always appear in the picture.
- 1080P
  - 2 million pixels 1/2.8inch HD CMOS sensor, can achieve 1920x1080 HD picture
- Ultra-High Frame Rate
  - MJPEG Output Frame Rate 1080P/30fps
- USB 2.0
  - USB2.0 plug and play, easy to use
- Long-Range Control
  - Supporting RS232/USB2.0 interface long-range upgrade maintain functions
- Control Protocol Automatic Identification Technology
  - VISCA, PELCO protocol automatic identification technology, don't need to dial-up or menu setup
- Image Flipping Technology
  - To achieve camera image flip, zoom, PTZ control and etc by free exclusive control software.
- Multiple Application Scene
  - Education, Conference, Medical Treatment, etc.

### 3. How to connect



### ※ How to confirm that this product is correctly recognized by the computer.

In the process of running the application, if you change the connector or settings, it may not be recognized immediately, please end the application once and start again.

### Win10

- 1 Start button, click the camera to confirm whether the camera is connected correctly. If the screen plays back the images captured by the camera, the camera is successfully connected.



Camera key

- ② You can adjust the camera settings as needed.

Camera set key

- ③ If there are multiple cameras or the camera is not displayed, click to replace the camera.

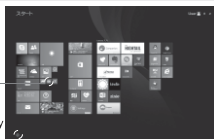


Replace camera key

## Win8

- ① Start button, click the camera to confirm whether the camera is connected correctly. If the screen plays back the images captured by the camera, the camera is successfully connected.

Camera key



Next page

- ② You can adjust the camera settings as needed.

- ③ If there are multiple cameras or the camera is not displayed, click to replace the camera.

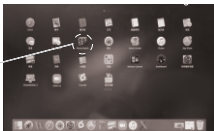


Replace camera key

# Mac

- 1 Start "photo booth" and select the VC0004 from the camera

Photo booth



- 2 The preview screen will play the image taken by the VC0004

USB camera key



## 4. Product Specification

Specification Model	VC0004(10x Optical)
<b>Camera, lens Parameter</b>	
<b>Image Sensor</b>	1/2.8inch CMOS
<b>Min Lux</b>	0.1Lux(F1.2)
<b>Effective Pixel</b>	2.2 MP
<b>Zoom</b>	10x Optical
<b>Shutter Speed</b>	1 to 1/10000s
<b>Focal Lens</b>	2.8mm Fixed / f=5.1mm-51.0mm, F=1.8(W)-2.5(T)
<b>Horizontal Field of View</b>	72° (W)

<b>Frame Rate</b>	1920×1080,1280×720, 640×480
<b>Focus Mode</b>	Auto
<b>Aperture Mode</b>	Auto
<b>Backlight Compensation</b>	Support
<b>Wide Dynamic</b>	Support
<b>Picture Adjustment</b>	Brightness, Chroma, Saturation, Contrast, Acutance
<b>Microphone Parameter</b>	
<b>MIC Array Quantity</b>	4
<b>MIC Array Form</b>	linear
<b>MIC Specification</b>	digital microphone
<b>Sampling Rate</b>	16KHz/48KHz
<b>Sensitivity</b>	-29dBFs
<b>Far-field Pick up Voice Distance</b>	0-10meters
<b>Horizontal Voice Pick up Angle</b>	Horizontal 180°
<b>SNR</b>	65.5dB
<b>Communication Mode</b>	full duplex
<b>Interface Parameter</b>	
<b>Video Interface</b>	USB2.0
<b>Video Compressed Format</b>	MJPEG
<b>Control Interface</b>	RS-232, USB2.0, UVC
<b>Control Agreement</b>	VISCA/PELCO-D/PELCO-P
<b>Communicate Baud Rate</b>	2400/4800/9600/115200
<b>Power Interface</b>	DC-038 power socket (DC12V)

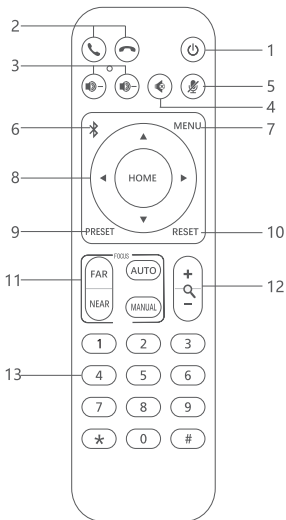
<b>PTZ Parameter</b>	
<b>Pan Rotation</b>	-170°~ +173°
<b>Tilt Rotation</b>	-30°~ +90°
<b>Horizontal Rotate Speed</b>	0.1~100°/second
<b>Vertical Rotate Speed</b>	0.1~80°/ second
<b>Other Parameter</b>	
<b>Power Adapter</b>	Input AC100V~AC240V Output DC12V/2A
<b>Decoder</b>	Built in
<b>Input voltage</b>	DV12V
<b>Power Consumption</b>	12W (MAX)
<b>Storage Temperature and Humidity</b>	-10°C ~ +60°C / 20% ~ 95%
<b>Working temperature and Humidity</b>	-10°C ~ +50°C / 20% ~ 80%
<b>Operating Environment</b>	Indoor
<b>Baud Rate</b>	2400/4800/9600/115200
<b>Protocol</b>	VISCA / PELCO-D / PELCO-P
<b>Address Setting</b>	1~255

## Advanced Features

1. Built-in 4 digital microphone array and 10 Meter voice pickup.
2. Automatic Voice Location. The camera automatically rotates and tracks the voice of the speaker.
3. 2.2M, 1/2.8" HD color CMOS sensor, 1920\*1080HD display.
4. Horizontal -170°to 173°, vertical-30°to 90°camera rotation.
5. Support 3.5mm line speaker out external function.



## 5. Remote Control Specification



1. Power button: Press the power button, the camera enters standby mode
2. Answer/end button: Answer/end call
3. Volume button: Speaker volume down/up
4. Speaker mute button: Turn on/off the speaker mute
5. Microphone mute button: Turn on/off microphone mute
6. Bluetooth button: Turn on/off the microphone Bluetooth.  
(Only for Bluetooth version, not for VC0004).  
Bluetooth key + "\*" key. Turn on the sound tracking function;  
Bluetooth key + "#" key. Turn off the sound tracking function;  
"\*" key + number keys to adjust the camera sound tracking sensitivity/time.  
If you press "\*" + the number 5 key first, the duration of the person speaking needs to be greater than five seconds before the camera can turn. The duration of speaking is less than five seconds, the camera will not turn.  
After successfully connecting the VC0004, the sound tracking function will be turned on by default.
7. Menu button: Enter or exit the camera menu.
8. Camera PTZ control button: Use the control button to adjust the camera to the position you want. Press the HOME button to return the camera to the middle position.
9. Preset position setting button: Press the PRESET button + number button (1-9) to save the corresponding preset position of the camera.
10. Preset position clear button: Press the RESET button + number button (1-9) to clear the corresponding preset position of the camera.
11. Focus button  
AUTO: Turn on Auto Focus mode  
MANUAL: Turn on Manual Focus mode  
FAR: Manual focus button to make distant objects clearer  
NEAR: manual focus button to make nearby objects clearer
12. Camera zoom button: "+" camera lens zooms in, "-" camera lens zooms out.
13. Number button: cooperate with setting/calling preset position

## 6. Precaution

### ● Electrical Safety

Confirm country and local electrical safety standards when using or installing the product. The product itself has no power switch. Please stop power supply or plug out power socket when it is not in a good working situation. Video wire and control wire should be insulated and individually connected, so that there is no confusion with other wires.

### ● Transportation with Care

Product should be protected against extreme stress, vibration and moisture in transport, storage and installation. It is transported by integrated packing style.

### ● Power Supply

Product supplies 12V DC power.

### ● Installation with Care

Don't turn the camera head manually. Doing so may result in mechanical damage.

The product should be put on a stable horizontal table and not be installed at an angle, which may cause a tilted image. Don't focus the camera directly on the sun or other bright objects no matter when in use or not, it may affect image quality. Don't apply corrosive liquid, gas or solid, to avoid damaging the cover which is made up of plastic material.

Make sure there is no obstacle with the camera's rotational range when installing.

Never power on before installation has been completed.

### ● Prohibited Unauthorized Disassemble

There is no part for users to disassemble voluntarily.

Parrot Products is not responsible for any unauthorized modification or dismantling.

Before the installation of the company's products, please read the product manual carefully

## 7. FAQ Processed

### Image aspect

- **No image displayed**

- 1) To check whether the camera power is connected, the voltage is normal, and the power indicator is always on.
- 2) Plug in the power again, to check whether the camera can self test normally.
- 3) To check whether the USB port and USB cable of the terminal device are connected correctly.

- **The image breaks frequently**

To check whether the USB port and USB cable of the terminal device are connected correctly.

- **The definition is not good after accessing software**

To check the software video input settings to see if the camera video input is set to 1920 \* 1080.

### Control aspect


- **Remote control doesn't work**

- 1) Check and replace the batteries.
- 2) Check if the camera working mode is correct.

- **The serial port cannot be controlled**

- 1) Check if the protocol and address of the camera are consistent.
- 2) Check if the camera USB cable is well connected.

## 8. RS232

Graphic	Number	Camera	Number	Camera
	1	DTR	5	RXD
	2	DSR	6	GND
	3	TXD	7	IR OUT
	4	GND	8	NC

## 9. Warranty and Service Information

This product is provided a period of two (2) years from the date of purchase for defects in materials and workmanship (subject to the terms set forth below). It shall be returned to the dealer in either its original packaging or packaging affording an equal degree of protection. The following information must be presented to obtain Warranty Service: (a) the product, (b) proof of purchase, which clearly indicates the date of purchase and the product type, and (c) reason for return.

This Warranty does not cover defects or damages that result from:

- (a) improper storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse;
- (b) contact with liquid, extreme humidity, extreme heat, or food;
- (c) use of the product or accessories for commercial purposes or subjecting the product or accessories to abnormal usage or conditions;
- (d) other acts which are not the fault of Dealer.

This warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than the dealer or the dealer's authorized repair center. This warranty does not cover defects or damages that result from the use of Dealer's branded or uncertified products, accessories, or other peripheral equipment, nor does this Warranty apply to products which have not been charged for six (6) months. If the battery in a product has not been charged for a period of six (6) months, the product might not function or regain its full potential and long-term performance.

The dealer does not offer any warranty for such performance.

