# **BOCMARE**



# **4K Ultra HD USB Camera**

RC16



# 1 After-sales technical support

If there is a failure caused by non-human reasons within 3 years from the date of purchase, you can enjoy the product warranty service. The warranty is not covered if any of the following conditions are met during the product use:

- Failures caused by man-made reasons such as unauthorized disassembly and modification
- Failures caused by the use environment not meeting the product
- Failures caused by force majeure factors (such as fire, earthquake, lightning strike, etc.).

Service line: +1-800-416-1895 F-mail: rocware@rocware.com

## 2 Packing list



RC16







USB cable User manual

# 3 Product main features

### • Ultra-high definition and ultra-large field of view

Equipped with a new generation UHD CMOS image sensor, accurate native resolution, richer color, and 4K video with full detail. With a 110-degree ultra-large angle and low distortion 4K lens, the panoramic view is

Multi-layer convolutional neural network design with cutting-edge deep learning algorithms, enable intelligent camera features, and high quality analysis data can be accessed through open APIs.

This advanced deep learning algorithm is adapted to automatically adjust the size of the picture according to the people in the detectable field of view, eliminating the need for manual adjustment, and bringing you a new intelligent experience.

### AI humanoid tracking

Embedded NNE hardware unit, using deep learning technology, through the extraction of target features, no matter where one is facing, smooth humanoid tracking can be achieved, suitable for tracking a speaker or other application scenarios

Built-in beamforming microphone array with unique noise reduction and automatic gain control algorithms, allow for a pick up distance of up to 6 meters, and makes your voice sound crystal clear.

#### Convenient operation

With the infrared remote control and exclusive software, auto framing and humanoid tracking can be initiated with one button. As well as, preset positions, ePTZ, and image parameters can be set at the same time.

Full-function USB 3.0 interface offers power supply, video, and audio all in one USB cable / USB port. It can also support 2 USB video signal sources (optional), +1 channel audio source at the same time.

# 4 Specification

	Camera	
	Sensor	1/2.7", CMOS, Effective Pixel: 8.29M
	Scanning Mode	Progressive
	Lens Mount	M12
	Lens	Focus: f=2.2mm, FOV: 110°
	Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
	Shutter	1/30s ~ 1/10000s
	White Balance	Auto, Indoor, Outdoor, One Push, Manual
	Camera bracket	Bracket with damper
	Digital Noise Reduction	2D & 3D Digital Noise Reduction
	Backlight Compensation	Support
	Digital Zoom	8X

### Input/Output interface

USB Interface	1xUSB 3.0: Type C, famale	
IR Remote	Support	

# USB features

Windows® 7 (1080P and under only). Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Operate System Google™ Chromebook™ Version

2.4 GHz Intel® Core 2 Duo CPU or higher; 2 GB RAM or more; USB 2.0 interface

Color System/ Compression VLIV2 / H 264 / M IPEG

Video Format 960x540p@30fps/25fps,

#### General specification

Input Voltage	5V (USB power supply)
Current Consumption	600mA(MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W(MAX)
Size	118mm x37.2mm x 30.8mm (Bracket not included)
Net Weight	0.2Kg
WIRE	20000P

# 5 Simple operation steps













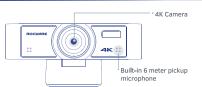


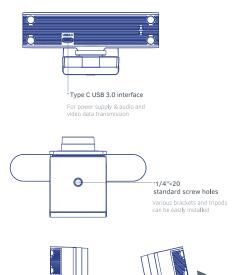


Clip the RC16 to the computer and adjust the angle



# 6 Product details





· Base stand

Various angles of the bracket can be adjusted freely (see

# **7** Caution while handling product

In the process of transportation, storage, and installation, the damage caused by heavy pressure, violent vibration, and immersion should be prevented.

### Install carefully:

The product should be placed on a stable surface or other horizontal platforms, The shell of this product is made of organic materials; avoid contact with liquids, gases, or solids that may cause corrosion of the shell. Do not disassemble the product without authorized permission. This product has no parts that consumers can repair by themselves; damage caused by consumer disassembly is not covered by a warranty.

A Specific frequencies of the electromagnetic field may affect the image quality of this product.

### 8 Maintenance and troubleshooti

- If the camera will not be used for a long time, please disconnect the USB; • Use a soft cloth to clean the camera housing.
- Please use a soft dry cloth to clean the lens. If the camera is seriously dirty, clean it with diluted neutral detergent. Do not use any solvents which may damage the lens and affect the image quality;

#### Unqualified application Do not operate in extremely bright conditions such as bright sunlight.

- Do not operate in unstable lighting conditions, otherwise the image will
- Do not operate close to powerful electromagnetic radiation, such as TV or radio transmitters.

### Troubleshooting

Fault phenomenon	Solution
No image output	Check whether the privacy cover is open.     Whether to enable multiple software access.     The camera supports only one access.
The camera cannot be recognized after power on	Check whether the USB cable of camera is properly connected.
Upgrade falled	1. Check whether the camera is recognized correctly after connecting to PC, and whether the connection issuccessful. If yes, re-upgrade it. 2. Check if multiple software is trying to access the camera. The camera supports only one access. 3. Open the upgrade software, if it shows that the connection falls, but the camera is connected to the PC and can be accessed normally. It is recommended to try connecting to another PC.
Image flip	If the image is flipped, please use the remote control to call up the "Image Rotation" option in the menu bar to adjust.
Image has stripes that scroll up and down	Check the anti-flicker frequency of the camera. Set the power supply frequency to the same value as the anti-flicker frequency.
Image comes and goes from time to time	Check whether the cable of the video platform and TV is properly connected.
Android platform device has no image	Check whether the camera is recognized in the system. If not, restart the Android platform.     Set H264 to off by default on the tool and restart the camera.



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