

**MINI ALL-IN-ONE VIDEO SOUNDBAR**

RC08

www.rocware.net

**1 Packing List**



**2 Product Main Features**

- **Integrated bionic design to simplify complexity**  
Integrated high-definition camera, high-sensitivity omnidirectional microphone, full-frequency speaker 3-in-1 design, plug and play, reducing wiring, one USB cable only making video communication easy and simple; Unique bionic design allowing you to get excellent audio-visual experience in video communications. Exclusive patented research and development 3A algorithm solves echo cancellation in a very small space, making the full spectrum of the call clearer without any audio loss for both users and allowing simultaneous communication without any drop-off.
- **1080P full HD ultra wide angle without Distortion**  
Support 1080P HD, provide image encoding output up to 1080@30fps/25fps, while downward compatible with 720P and other resolutions. Wide field of view, horizontal field of view up to 90°.
- **High-fidelity full-frequency speakers**  
Using high-fidelity speakers with ducted sound cavity, the treble is clear and penetrating, and the bass is natural and surging, providing extraordinary sound effects.
- **Audio 3A algorithm**  
Built-in audio 3A algorithm (AEC/AGC/ANS), full-duplex mode, can automatically adjust and balance the volume and suppress noise at the same time while in voice acquisition to meet the needs for loud and clear communication.
- **e-PTZ**  
No mechanical rotating device needed for more accurate rotation accuracy, no noise, more reliable and durable, support 4X digital zoom.
- **Built-in physical privacy cover**  
Equipped with an integrated sliding privacy shutter to secure privacy.
- **Low illumination**

New CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. Meanwhile, the application of 2D and 3D noise reduction algorithms dramatically reduces image noise. The image maintains clean and clear even under ultra-low light illumination. The SNR of the image is as high as 55dB or above.

- **Easy installation**  
Standard is equipped with a rotating damping bracket, which is compatible with almost 100% display devices on the market and is easy to install, stable, and reliable.
- **Support one-key switching between landscape and portrait mode**  
Landscape and portrait mode can be selected, one-key switching is suitable for various live streaming scenarios.
- **Fast focus**  
The fuselage is equipped with a laser-assisted focuser, advanced autofocus algorithm to realize extremely fast and accurate autofocus.
- **Touch to mute**  
User-friendly one-touch mute design to turn off the microphone.

**3 Specification**

Camera	
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, Horizontal FOV: 90°
AF	Support fast autofocus
Minimum Illumination	0.5 Lux @ (F2.0, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual
Camera Stand	Standard Damping Rotary Support
Physical Privacy Security	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Backlight Compensation	Support
Digital Zoom	4X

**USB Features**

Operate System	Windows 7 (only 1080P and below supported), Windows 8.1, Windows 10 or higher, macOS™ 10.10 or higher, Google™ Chromebook™ version 9.0.1547.70 or higher; Linux (support UVC)
Hardware	2.4 GHz Intel® Core 2 Duo CPU or higher; 2 GB RAM or more; USB 2.0 interface
Color System/ Compression	YUY2 / H.264 / MJPEG
Video Format	1080P@30fps/25fps, 720P@30fps/25fps, 960x540P@30fps/25fps, 640x360P@30fps/25fps
USB Protocol	UVC 1.1
UAC	Support
UVC PTZ	Support (ePTZ)

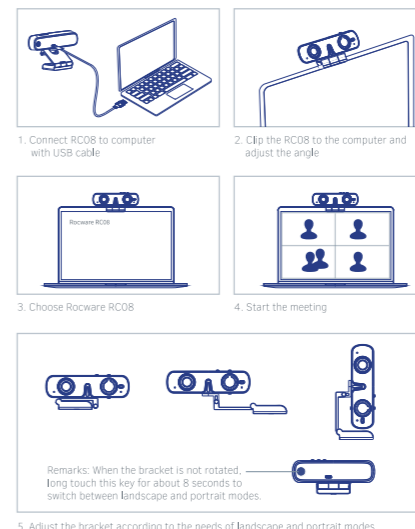
**Input/Output Interface**

USB Interface	1 x USB 2.0: Type C
<b>General Specification</b>	
Input Voltage	5V (USB power supply)
Input Current	0.5A
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	2.5W
Dimension	121mm x 32mm x 31mm (without bracket)
Net Weight	0.1 Kg

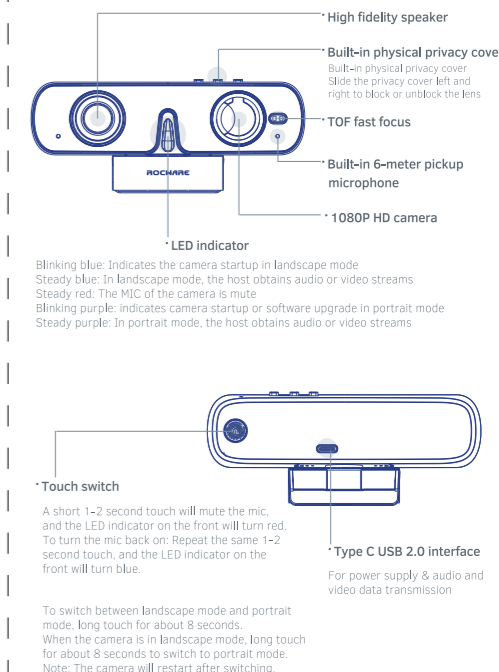
**Audio Features**

Audio 3A Algorithm	Support AEC/AGC/ANS
Full-frequency Speaker	82dB SPL at 0.5m
Microphone	Omnidirectional Microphone, Sensitivity: -30±2dB
Echo cancellation	Support

**4 Simple Operation Steps**



**5 Product Details**



**7 Maintenance and troubleshooting**

- Camera Maintenance**
- 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, like sunlight, outdoors, lighting, etc.
  - Do not operate in unstable lighting conditions, otherwise the image will be flickering.
  - Do not operate close to powerful electromagnetic radiation, such as TV or radio transmitters, etc.

**Troubleshooting**

Fault phenomenon	Solution
After power on, LED indicator is blue and keeps blinking	1. Check whether the USB cable is connected correctly to the camera and PC and then re-plug. 2. Always use the Original USB cable.
Image is blurry and out of focus	1. Check whether the TOF module is blocked, keep the TOF working area clean and unobstructed; 2. Check if the focus is in the automatic mode via the user-interface tool(section 9).
Microphone mute	1. Check whether the computer audio input device is mute. 2. Check the LED indicator of the camera to see if it is red, if so, short touch the touchpad button to unmute the microphone.
Abnormal sound from the speaker	1. Check whether the camera USB cable is connected to the computer. 2. Check whether the speaker or speaker surface is damaged or has creases.

**Troubleshooting**

Fault phenomenon	Solution
No image output	1. Check whether the privacy cover is open. 2. Check if another application is using the camera. Note: Two applications can not run simultaneously.
The camera cannot be recognized after power on	Check if the USB cable of camera is connected correctly.
Howling	1. Check if the microphone listening function is enabled and disable it. 2. Not recommended to use the camera microphone with other acoustics devices.
Upgrade failed	1. Check whether the camera is recognized correctly after connecting to the PC and if the connection is successful, try again to re-upgrade. 2. If the MTD upgrade fails, close the tool and retry again. 3. Open the upgrade software; if it shows that the connection failed, but the camera is connected to the PC and can be accessed normally, try running the upgrade on another PC.
Image flip	Check the LED indicator, if it is purple and the image flipped, it has entered the portrait mode.
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.

**Troubleshooting**

Fault phenomenon	Solution
Image comes and goes from time to time	Check if the cable of the video platform and TV is connected correctly.
Android platform device has no image	1. Check whether the camera is recognized in the system. If not, restart the Android platform. 2. Set H.264 to off by default on the tool and restart the camera.

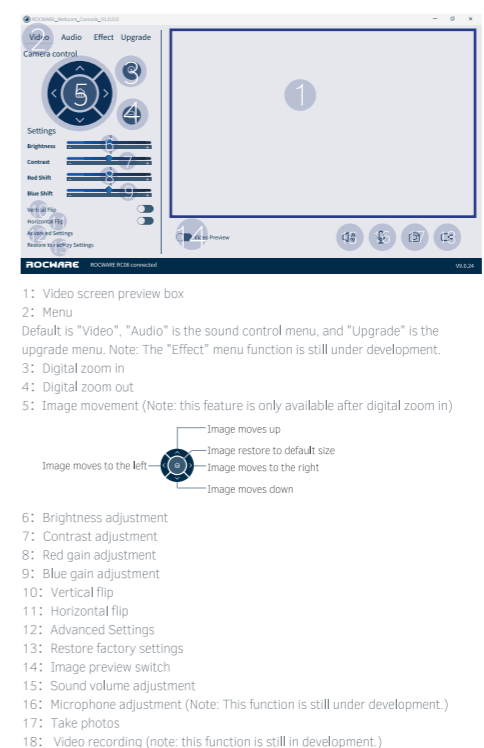
**8 After-sales technical support**

ROCWARE guarantees all of its products to be in good working order for three years. Warranty shall be void, and of no effect if:

1. Product was not used under normal settings.
2. Equipment damage caused by water, electric shock (including power-surge), fire, Collapsing objects, any natural disasters, or acts of God.
3. Damage from abuse, theft, or vandalism.
4. Unauthorized repair, misuse, abuse, and modifying the product.

**Service line:** Tel: +86 - 755 - 2330 9418  
**Email:** rocware@rocware.net  
**Tool download link:**  
<https://www.rocware.store/Rocware-Software-download-tp24794.html>  
**Control tool quick start video:**  
<https://youtu.be/cldvYK1CPkQ>

**9 Tool interface**



**6 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.

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

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