

RC08 Mini All-in-one Owl Video Soundbar



90° FOV
and PTZ

1080P

TOF

● **Integrated Bionics Design to Simplify the Complex**

Integrated high-definition camera with high-sensitivity omnidirectional microphone, full-frequency speaker three-in-one design, plug and play, reducing wiring and making video communication easy and simple. The unique bionic design allowing you to get excellent audio-visual effects in video communications.

● **Full-frequency Speaker**

Use full-frequency speaker with ducted sound cavity, the treble is clear and penetrating and the bass is naturally surging to providing an extraordinary sound effect. horizontal field of view can reach 90°.

● **1080P Full HD Ultra-wide Angel without Distortion**

Support 1080P high definition, provide image encoding output up to 1080@30fps/25fps and downward compatible with 720P and other resolutions. The wide and horizontal field of view up to 90°. even under low light conditions, still keep the picture Clean and clear, the image signal to noise ratio up to 55dB or more.

● **e-PTZ**

No mechanical rotating device needed for more accurate rotation accuracy, no noise, more reliable and durable, support 4x digital zoom.

● **Audio 3A algorithm**

The built-in audio Automatic Gain Control, Noise Reduction, and Echo Cancellation, and full-duplex mode adjust the high and low volume of the balance and suppress the noise automatically while in voice collection to meet your needs for loud and clear communication.

● **Landscape and Portrait Mode**

Support one-key landscape and portrait switching output to meet the needs of various landscape and portrait live scenes.

● **Built-in Physical Privacy Masking**

Equipped with an integrated sliding privacy cover to security the privacy sound experience.

● **TOF Focus**

Equipped with a laser assisted focusing instrument and realize high-speed and accurate auto focusing through the advanced auto focusing algorithm.

● **Low Illumination**

The new CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. The application of 2D and 3D noise reduction algorithm greatly reduces the image noise even under the condition of ultra-low illumination, it keeps the picture clean and clear, and the SNR of image is as high as 55dB.

● **Easy Installation**

The standard damping rotary support compatible with almost 100% display devices on market, easy to install, stable and reliable.

Camera	
Sensor	1/2.8 inch, CMOS, 2.07M pixel
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, HFOV: 90°
AF	Support TOF
Minimal Illumination	0.5Lux @ (F2.0, AGC ON)
Shutter	1/30s ~ 1/10000s
Resolution of Landscape Mode	1600 x 896, 320 x 240, 352 x 288, 640 x 480, 720 x 480, 720 x 576, 1280 x 720, 1024 x 768, 1024 x 576, 960x 540, 848 x 480, 800 x 600, 800 x 448, 640 x 360, 512 x 288, 480 x 272, 424 x 320, 424 x 240, 320 x 180, 1920 x 1080
Resolution of Portrait Mode	1080x 1920, 720 x 1280, 768 x 1024, 576 x 1024, 480 x 848, 448 x 800, 576 x 720, 480 x 720, 288 x 512, 272 x 480, 320 x 424, 288 x 352, 480 x 640, 896 x 1600
White Balance	Auto, Manual, VAR
Camera Stand	Standard Damping Rotary Support
Privacy masking	Support
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
Digital zoom	4X

Audio	
Audio algorithm	Support Automatic Gain Control, Noise Reduction, and Echo Cancellation
Full frequency speaker	82dB SPL in the case of 0.5 meter
Microphone array	Omnidirectional microphone, Sensitivity: -30±2dB

General specification	
Input Voltage	5V (USB power supply)
Input Current	0.5A
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	2.5W
MTBF	>30000h
Size	121mm*32mm*31mm (without bracket)
Net Weight	0.2Kg

Input/Output Interface	
USB Interface	1 * USB2.0, Type C;



USB Features	
OS	Windows 7 (only 1080p and below), Windows 8.1, Windows 10 or higher; macOS® 10.10 or higher; Google Chromebook™ Version 29.0.1547.70 or higher; Linux (requires support for UVC)
Hardware platform	2.4 GHz Intel® Core 2TM Duo processor or higher; 2 GB of memory or higher; USB 2.0 interface;
Color System / Compression	YUY2 / H.264 / MJPEG
Video System	1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps
USB video communication protocol	UVC 1.1
UAC	Support
UVC PTZ control	Support ePTZ