

ROCWARE

RC16 4K USB AI Auto framing Webcam



RC16 is equipped with a new generation of UHD CMOS image sensor, with more accurate native resolution and richer color information. With a 110° ultra-large viewing angle and low-distortion 4K lens, the panoramic field of view is unobstructed. Auto framing function is enable to adjust the picture ratio according to the change of the number of participants to present a better meeting effect. Use AI tracking to track the speaker, no matter where the speaker is facing, it can achieve smooth tracking, which is suitable for application scenarios such as automatic tracking.

Main Features

4K Ultra HD image quality

Equipped with a new generation of UHD CMOS image sensor, with more accurate native resolution and richer color information. With a 110° ultra-large viewing angle and low-distortion 4K lens, the panoramic field of view is unobstructed.

4k



AI tracking

Built-in NNE hardware unit, with deep learning technology and extracting target features, no matter where the face is facing, it can achieve smooth tracking, which is suitable for application scenarios such as automatic tracking.



Beamforming microphone array

Built-in beamforming microphone array, with unique noise suppression algorithm and automatic gain algorithm, the pickup distance is up to 6 meters, perfectly present your voice.



USB 3.0

Full-featured USB 3.0 interface, integrating power supply, video and audio in one, support 2 channels of USB video signal sources (optional) + 1 channel of audio source.



Easy operation

Achieve one button to start auto framing, AI tracking, and set preset positions, ePTZ and image parameters, etc. at the same time through the infrared remote control and exclusive software.

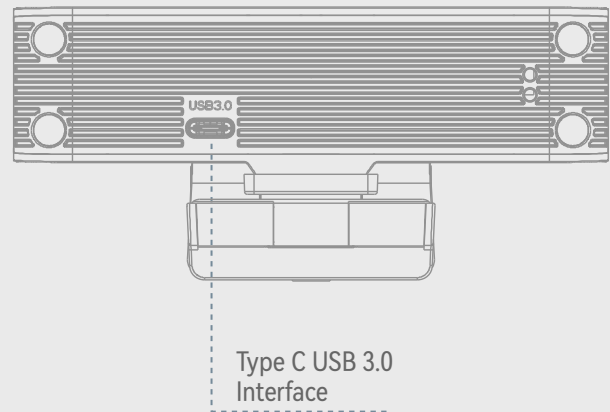
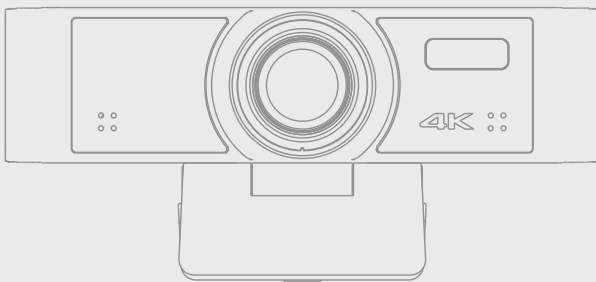


Auto framing

Advanced algorithm is adopted to automatically adjust the viewing angle of the screen according to the person within the detection field of view, avoiding manual adjustment of the camera, bringing you a new intelligent experience.



Product Interface



Remote Control

Standby Key

Turn on/off or wake up the device.

Direction Key

Adjust the menu cursor and menu parameters.

Return Key

Return to the upper level of the menu.

Menu Key

Open the menu or exit the menu.

No. 1 /No. 2 Preset Key

No. 1 preset position, long press for 3 seconds to set the preset position, short press to adjust the preset position.

TRACKING OFF Key

Turn on/off or wake up the device.



Mute Key

Turn the microphone on or off. When the microphone is turned off, there is a mute icon on the video.

HOME Key

ZOOM + Key: Digital Zoom In

ZOOM - Key: Digital Zoom Out

SWITCH Key

Click the first "SWITCH Key", the image display is currently the tracking function (target tracking) or automatic frame selection function (auto framing). Click the second "SWITCH Key" to switch the current function.

Product Specifications

Camera	
Sensor	1/2.7", CMOS, Effective Pixel: 8.29M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.2mm, FOV: 110°
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	Standard damping rotating bracket
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
General specification	
Input Voltage	5V (USB power supply)
Input Current	600mA(MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W(MAX)
MTBF	>30000h
Size	118mm x37.2mm x 30.8mm (without bracket)
Net Weight	0.2Kg
USB Features	
OS	Windows® 7 (1080p or below), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (need support UVC)
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 interface (4K requires USB 3.0)
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	4k@30fps/25fps, 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps
USB video communication protocol	UVC 1.1
UVC PTZ control	Support (EPTZ)

Input/Output Interface	
USB Interface	1 * Type C;
Infrared remote control	Support



ROCWARE

ROCWARE CORPORATION

Web : www.rocware.com

TEL : +86-755-23309418

Address : 3F, No.2 Building, Honghui Industrial Park,
Baoan District, Shenzhen, China

Mail : rocware@rocware.net