# ROCWARE®

## RC10
# 4K UHD ALL-IN-ONE USB Camera

**4K UHD** · **Wide FoV** · **Audio 3A algorithm** · **BT 5.0**

Optional extended microphone

◉ **Applicable scene**
It is specially designed for small and medium-sized meeting rooms, for the Huddle Room with 4 to 6 person, to help enterprises re-tap the potential of using the small and micro meeting space inside.

◉ **Product value**
It is convenient for small and medium-sized enterprises to conduct daily business negotiation and team cooperation in different places flexibly, so as to create a relaxed, free and smooth conversation environment, make decisions quickly and improve efficiency.

◉ **All-in-one design**
The three-in-one design of 4K ultra HD camera, beamforming microphone and full-frequency loudspeaker reduces wiring and makes video communication easy.

◉ **4K UHD**
Using 1/2.5 inch, 8.51M pixel high quality UHD CMOS sensor, 4K (3840x2160) @30fps ultra high resolution clear image, and downward compatible with 1080P, 720P and other resolutions.Can meet the needs of users for different video experiences, and can provide clearer, real, smooth and accurate communication.

◉ **Rich interfaces**
Support USB 3.0 audio video output simultaneously.

◉ **Easy installation**
Flexible installation options such as countertops, walls, and TV/display screens are available for quick installation and deployment in a crowded meeting room.

◉ **Wide FoV**
121°wide field of view (110° horizontal field of view), 5x digital zoom lens customized for the conference scene, built-in electric head (horizontal and pitch ±15° motion range), participants can easily enter the scene clearly.

◉ **Beamforming microphone**
Beam Forming (BF) microphone is built in, with a pickup distance of 6 meters. Low-distortion transverse beamforming algorithm can direct the microphone directly to the speaker, with better sound, clearer communication, fuller and more authentic.

◉ **Audio 3A algorithm**
Built-in audio 3A algorithm (Automatic Gain Control, Noise Reduction, and Echo Cancellation), full duplex dialogue, can meet the communication needs of different room structures, whether sitting at a conference table, sitting against the wall or standing, can have comfortable experience for calling.

◉ **Full frequency speaker**
Full frequency Hi-Fi loudspeaker, professional acoustics design, reduce noise interference, provide outstanding sound effect.
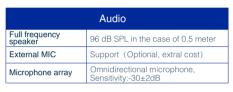
◉ **Plug and play type**
Through plug and play USB interface connect with the computer or business display screen, very easy to use. Less wiring, convenient video communication, reduce the user's learning cost.

◉ **Intelligent analysis**
Built-in intelligent analysis algorithm, listening to the speaker position, automatic framing of participants, automatic tracking of speakers, switching the speaker screen, to ensure that the speaker is always clearly in the picture.

### Camera

| Camera | |
|---|---|
| Video System | 4K@30fps, 1080P@30fps, 720P@30fps,etc. |
| Sensor | 1/2.5 inch, CMOS, 8.51M pixel |
| Lens | 121° (DFOV) , 110° (HFOV) , 5x digital zoom，pan/tilt ±15° |
| PTZ | MPT + EPTZ |
| Digital Noise Reduction | 2D&3D digital noise reduction |
| Video S/N | ≥55dB |
| Backlight Compensation | Support |

### Audio

| Audio | |
|---|---|
| Full frequency speaker | 96 dB SPL in the case of 0.5 meter |
| External MIC | Support（Optional, extral cost) |
| Microphone array | Omnidirectional microphone, Sensitivity:-30±2dB |

### Certification

| Certification | |
|---|---|
| Certified client application | Skype for Business Compatible with Cisco (Jabber) Cortana |
| Adaptable application | LCP(ZoomBlueJeans、Broadsoft、Starleaf、Pexip、Vidyo）and all UVC application (Google Hangouts, Go to Meeting, etc) |

### General specification

| General specification | |
|---|---|
| Remote | 2.4G remote controller |
| Operating Temperature | 0°C ~ 40°C (32°F ~ 104°F) |
| Storage Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Size | 600mm*140mm*115mm (holder included) |
| Net Weight | 2.5 Kg |

### Input/Output Interface

| Input/Output Interface | |
|---|---|
| Control mode | 1 * HDMI ,Version 1.4b; |
| USB interface | 1 * USB3.0, Type C ; 1 * USB2.0, Type A ; |
| Wireless | BT 5.0 |
| Power jack | DC 12V, 2A (MAX) |

### USB features

| USB features | |
|---|---|
| Connection type | USB 3.0， downward compatible with USB2.0 |
| Video Compression | MJPEG /YUY2 |
| USB audio | 32K sampling rate, support UAC1.0 |
| USB video communication protocol | UVC 1.1 |
| UVC PTZ control | Support |

### System compatibility

| System compatibility | |
|---|---|
| OS | Windows 7 (only 1080p and below), Windows 8.1, Windows 10 or higher macOS® 10.10 or higher Google ChromebookTM Version 29.0.1547.70 or higher Linux (requires support for UVC) Android |
| Hardware platform | 2.4 GHz Intel® Core 2TM Duo processor or higher; 2 GB of memory or higher; USB 2.0 interface; (4K video output need USB 3.0 interface) |

### Others

| Others | |
|---|---|
| Control mode | 2.4G remote controller |
| Installation mode | Support for desktop, wall, TV, and other installation options |
| Standard cable | USB3.0（2 meters） |
| Safety protection | Security lock jack |