

ROCWARE®

4K Dual-Lens PTZ Video Bar

RB20



RB20 is built for modern medium-to-large meeting spaces where clarity, simplicity, and flexibility matter most. Its dual-lens 4K design captures both the full room and every speaker's expression with remarkable accuracy.

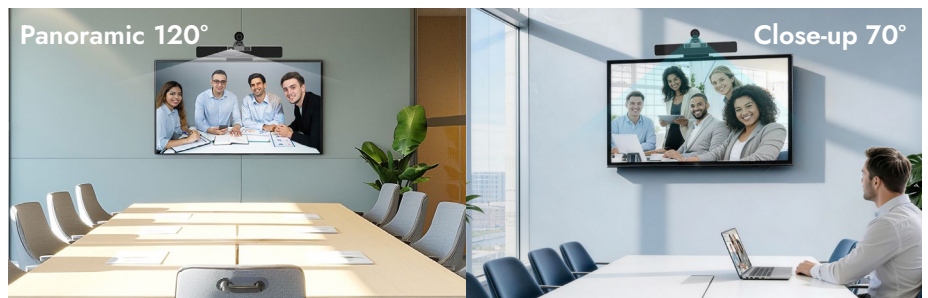
BYOM Mode

Laptop in. Meeting live.



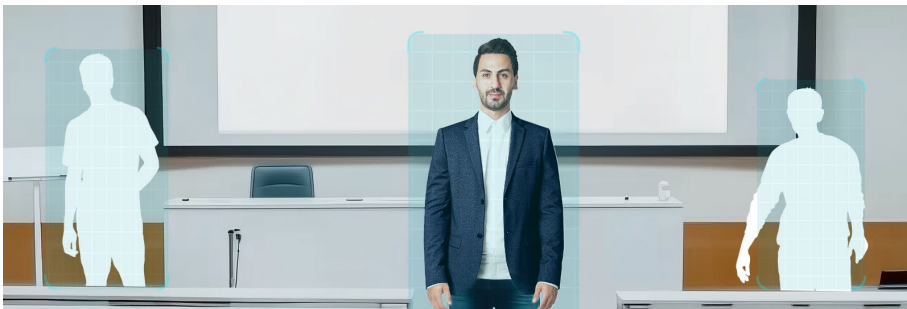
Two lenses. One perfectly clear view.

A 120° panoramic lens for the room. A 12x optical zoom lens for the details.



Presenter Tracking

Follow every move. Keep the story flowing.



Group Framing

Always Centered. Always Meeting-ready.



Every Detail. Captured in True 4K.



Speaker Framing

Hear a voice. See the moment.



Smart Gallery

Every face. Equally seen and shared.



8-Meter Pickup

The 6-mic array uses beamforming and AI noise reduction to capture speech across the room while suppressing echo and distractions.

Hi-Fi Stereo Speaker

At 8W output, every voice is crisp and audible, keeping your entire meeting space engaged.

✓ AI-Powered AUDIO 3A Algorithm

✓ PoE Cascade Pickup

Interface



RB20 SPECIFICATIONS >>

CLOSE-UP CAMERA

Sensor: 1/2.5-inch, CMOS,
Effective Pixels: 8.29 Megapixels

Focal Length: $f=4.4\sim 51.1\text{mm}$, F1.8~2.6

Optical Zoom: 12X

Horizontal: FOV 70° ~7.4°

Vertical FOV: 42° ~4.1°

Pan Angle: -90° ~ +90°

Tilt Angle: -23° ~ +23°

Pan Speed: 1.7° ~ 76° /s

Tilt Speed: 0.5° ~ 15° /s

PTZ: Support

Backlight Compensation: Support

Digital Noise Reduction:
2D & 3D Digital Noise Reduction

SNR: $\geq 50\text{dB}$

VIDEO OUTPUT SPEC

Video Output Format:
4KP30, 1080P30, 1080P60, 720P60

AUDIO SPEC

Speaker: 2 full-range speakers,
individual output power: 8W

Microphone Array: 6 beamforming
microphones with 8m pickup distance

Extended MIC: Supports up to 3
microphones via DMIC interface

Audio 3A Algorithm:
AI-Powered AEC/ANC/AGC

Sampling Rate Mic: 48K, Speaker 48K

PANORAMIC CAMERA

Sensor: 1/2.8 inches, CMOS,
Effective Pixels: 8.51 Megapixels

Focal Length: 2.8mm

Diagonal FOV: 120°

Horizontal FOV: 110°

Vertical FOV: 75°

EPTZ: Support

White Balance: Auto

Backlight Compensation: Support

Digital Noise Reduction:
2D & 3D Digital Noise Reduction

SNR: $\geq 50\text{dB}$

I/O INTERFACES

USB 3.0:
1 × USB 3.0, type-C, Support audio/video
transmission and firmware upgrade;
1 × USB 3.0, type-A, Reserved

HDMI:
1 × HDMI OUT, 1 × HDMI IN

Network Interface:
1 × RJ45, 10/100/1000M adaptive
Ethernet port

EXT Interface:
1 × RJ45, connects to expansion
microphone or wired BYOM pod, and
supports PSE power supply (IEEE802.3at)

Power Interface: DC 12V

WiFi:
Wifi 5, 2.4G/5G Dual-band,
IEEE802.11 a/b/g/n/ac

Remote Controller: Support

USB SPEC

Operating System Supported:
Windows® 7 (only supports 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)

Configuration Requirements:
2.4 GHz Intel® Core 2 Duo processor
or higher;
2GB memory or higher;
USB 2.0 interface (4K requires USB 3.0)

Connection Type:
USB 3.0, backward compatible with
USB 2.0

Color System / Compression:
H.264 / MJPEG / YUY2

USB Video Communication:
Protocol UVC 1.1, UAC 1.0

UVC PTZ Control: Support

GENERIC SPEC

Safety Protection:
Kingston anti-theft lock socket

Power: DC 12V

Operating Temperature:
0° C ~ 40° C

Storage Temperature:
-40° C ~ 60° C

Dimension (W × D × H):
Without Stand: 600 × 127.1 × 182.1mm
With Stand: 600 × 127.1 × 217.1mm

Net Weight: 4kg

