

ROCWARE

RC58 USB3.0 HD Video Conference Camera



RC58 adopts a new generation of Panasonic 1/2.8-inch high-quality HD CMOS sensor with 2.07 million effective pixels to achieve high-quality images with a maximum resolution of 1920x1080 and a maximum output frame rate of 60fps under 1080P. 12x optical zoom and 16x digital zoom to capture crystal-clear images with a field of view of 72.5° ~ 6.9°. 255 presets are convenient for switching the screen without manual adjustment, which greatly improves the efficiency of meetings.

Main Features

1080P full HD

Adopts a new generation of Panasonic 1/2.8-inch high-quality HD CMOS sensor with 2.07 million effective pixels to achieve high-quality images with a maximum resolution of 1920x1080 and a maximum output frame rate of 60fps under 1080P.



72.5° Wide-angle Lens + 16x Digital Zoom

Use 72.5° wide-angle high quality lens, support 12x optical zoom, and 16x digital zoom.

72.5°

Full Function USB Interface

Full function USB interface, compatibility USB3.0 and USB2.0, support audio, support compressed video output, support UVC v1.1 protocol.



Light illumination

Star-level ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, still keep the picture Clean and clear, the image signal to noise ratio up to 55dB or more.

H.264 Slice/ H.264 SVC Support

Support Slice and SVC encoding mode, adapts to video conference of advance USB application.



Dual stream

Support two stream output (YUY2, MJPEG, H.264 each of both), reduce the host codec pressure.



Remote control

Using RS232/RS485 all the parameters of the camera can be remote controlled by the high-speed communications.



Dual power supply

Support three power supply (USB 5V and DC IN 12V and PoE)



Product Interface



1. Network
2. HDMI
3. RS232
4. USB 3.0
5. LINE IN
6. RS485
7. DC 12V

1 2 3 4 5 6 7

Remote Control

1.(Standby) Key

Press to enter standby mode. Press again to resume to normal mode.

2.Numeric Key: To set preset or call preset.

3.* Key: Use with other keys.

4.PRESET Key

Set preset: Store a preset position.
[PRESET] + Numeric key (0-9): Set the preset position.

5.HOME Key

Confirm selection or press to turn the lens back to the middle position.

6.(Return) Key: Press to return to the previous menu.

7.ZOOM Key

8.L/R SET Key

9.FOCUS Key

Press [AUTO] to adjust the focus automatically.
Press [MANUAL] to adjust the focus manually.
When in manual focus mode, press [FAR] to focus on far object or [NEAR] to focus on near object.



10.CAMERA SELECT Key

Press the button corresponding to the camera you want to operate with the remote controller.

11.# Key

Use with other buttons.

12.Auto Tracking Key

[F1]: Not enabled
[F2]: Not enabled
[F3]: Start AI Intelligent Tracking
[F4]: Stop AI Intelligent Tracking

14.PTZ Control Key

After zooming, press arrow button to perform panning and tilting. Press [HOME] button to face the camera back to front.

15.MENU Key

Enter or exit OSD MENU.

16.BACKLIGHT Key

17.P/T RST (PTZ Reset) Key

Product Specifications

Camera	
Video System	1080p, 720p, 540p, 480p, 360p, 240p etc.
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D,3D digital noise reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 35.7°/s
Tilt Speed Range	2.7° ~ 31.5°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°
IPC Features	
Video Compression	H.264 / MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Input/Output Interface	
USB Interface	1xUSB3.0: Type C
HD output	1xHDMI1.4b
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS485 In: 2-core Phoenix port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type(DC IN 12V) / USB B type (DC IN 5V) /PoE
USB Features	
Operate System	Windows 7, 8, 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2 : max to 1080P@60fps H.264 AVC: max to 1080P@60fps H.264 SVC: max to 1080P@60fps MJPEG: max to 1080P@60fps
UVC Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ control	Support(EPTZ)
General specification	
Input Voltage	DC 12V/DC 5V/PoE(802.3af)
Input Current	1.0A(max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	MAX 12W
MTBF	>30000h
Size	144mm x 144mm x 167.9mm
Net Weight	1.285 KG

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