1080P Video Conferencing PTZ Camera

PTZ Camera (RC821U)

HD CMOS · 1080P · 72.5° Wide Angle · 12x Optical Zoom · Auto Framing · Humanoid Tracking

A Full HD video conferencing camera designed specifically for medium to large conference scenarios, featuring a brand-new generation of HD CMOS high-quality sensors that deliver 1920x1080 resolution image quality and output frame rates of up to 60fps, providing a more refined and smooth video conferencing experience.

zoom Certified



FEATURES

HD IMAGE QUALITY
Equipped with HD CMOS image sensor, it can deliver high-quality images with a maximum resolution of 1920x1080. At 1080P, the output frame rate can reach up to 60fps, providing clear and smooth image quality.

12X OPTICAL ZOOM
Featuring a 72.5° wide-angle lens and 12x optical zoom, it can capture clear images even from a distance. Equipped with a mechanical gimbal, it can achieve a ±170° horizontal rotation and a -30°~+90° vertical rotation, ensuring no blind spots in the conference room.

EASY WIRING
Supporting PoE power supply, only one network cable is needed to connect for control, power supply, video, and audio, making wiring simple and convenient.

Video Algorithms by AI Technology
Incorporating built-in video AI algorithms, it can identify the positions of meeting participants, automatically adjusting the camera angle for the best composition. You can also choose a target for filming, and the camera will automatically track and follow the subject as they move.

COMPATIBLE WITH POPULAR CONFERENCE SOFTWARE
The camera is compatible with popular video conferencing software,including Microsoft Teams, Zoom, Cisco, WebEx and more. Simply connect the camera and start the meeting.

FLEXIBLE INSTALLATION
The camera supports various installation methods such as hanging, wall mounting, mounting, desktop installation, and tripod installation, providing flexibility to meet the needs of different conference settings.

SPECIFICATIONS

CAMERA

Video Resolution	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
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 / MJEPG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080,1280x720,1024x576,960x540, 640x480,640x360
Sub Stream Resolution	1280x720,1024x576,720x480,720x408, 640x360,480x272,320x240,320x180
Video Bit Rate	32Kbps ~ 102400Kbps
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

USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG
Video Format	YUY2: Max 1080P60; H.264 AVC: Max 1080P60; MJPEG: Max 1080P60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

INPUT / OUTPUT INTERFACE

USB Interface	1x USB 3.0 , Type-C Jack
HDMI Output Interface	1x HDMI 1.3a
Network Interface	1x RJ45: 10M/100M Adaptive Ethernet
Audio Interface	1x Line In, 3.5mm Audio Interface
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) / PoE

GENERAL SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Input Current	12V 1.0A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	142mm (W) × 152mm (D) × 177mm (H)
Weight	1.45kg

INTERFACE

1 —— RS232 Interface
2 —— NET Interface
3 —— HDMI Interface
4 —— USB3.0 Interface
5 —— LINE IN Interface
6 —— DC 12V Power Jack

