1080P Video Conferencing PTZ Camera

RC310

1080P FULL HD

AF

+

1080P | **Time–of–Flight** | **3x Optical Zoom** | **Mechanical PTZ** | **Auto Framing with AI Technology**

RC310 is a highly cost-effective video conferencing camera designed specifically for small enterprise meeting scenarios. With a compact body the size of a palm, it features a 1/2.8'' high-quality CMOS sensor that delivers 1080P HD image quality. It is equipped with various AI video algorithms, providing an outstanding video communication experience.

FEATURES

▼ USB PLUG-AND-PLAY
With just a single USB cable, it enables audio and video transmission as well as camera power supply, offering a hassle-free deployment experience.

▼ 1080P + 3X OPTICAL ZOOM
Using a new generation HD CMOS sensor, it delivers a Full HD 1080P video experience, combined with 3X optical zoom, ensuring clear images for both panoramic and close-up shots.

▼ WIDE FIELD OF VIEW
It features a 90° ultra-wide-angle lens that supports ±170° horizontal and -30° to +90° vertical rotation, capturing the entire meeting space without blind spots.

▼ 3M PICKUP DISTANCE
It has two built-in microphones with a pickup distance of up to 3m, eliminating the need for additional audio pickup devices and enabling simultaneous audio and video recording.

▼ TOF FAST AUTOFOCUS
Equipped with Time-of-Flight (TOF) laser focusing technology, it achieves rapid autofocus, keeping the subject in focus at all times, ensuring clear and stable image quality.

▼ AUTO FRAMING WITH AI TECHNOLOGY
Built-in video AI algorithms can recognize the positions of meeting participants and automatically adjust the camera's field of view to capture the best composition. In single-person shooting mode, the camera automatically tracks and focuses on the moving target.

▼ VERSATILE INSTALLATION
It supports both desktop installation and tripod installation, meeting the diverse installation needs of meetings and live streaming scenarios.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.8'', CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	3x, f3.41mm ~ 10.33mm, F1.66 ~ F3.03
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Adjustable color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	90° ~ 30.7°
Vertical Angle of View	52° ~ 18.4°
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°

▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
Video Format	YUY2 (Isochronous): Max 640x480P30 MJPEG: Max 1920x1080P30
USB Audio	Optional
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0, Type-C Jack
Audio Input	Built-in dual mic
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA (DC IN 12V) / USB Type-C (DC IN 5V)

▼ GENERAL SPECIFICATION

Input Voltage	DC 12V / USB 5V
Input Current	12V 0.4A / 5V 0.9A
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	5W
MTBF	>30000H
Dimension	107.9mm(W) × 114.3mm(D) × 136.5mm(H)
Weight	0.5kg

INTERFACE

1 —— USB 2.0 Interface
2 —— RS232 Interface
3 —— DC 12V Power Jack

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