



RC310 Mini PTZ HD Video Camera



- Full-featured USB Interface**
 Full-featured USB2.0 interface, supports audio, encoding output, UVC 1.1 and UVC 1.0 protocols.
- Full HD Image Sensor**
 Equipped with a new generation of 1/2.9 inch high-quality HD CMOS sensor with 2.07 million effective pixels.
- 90° Wide-angle Lens + 16x Digital Zoom**
 Adopts 90° high-quality ultra-wide focal lens, supports 3x optical zoom + 16x digital zoom.
- TOF Focus**
 Equipped with a laser assisted focusing instrument and realize high-speed and accurate auto focusing through the advanced auto focusing algorithm.

- AI Humanoid Tracking**
 Embedded NNE hardware unit, using deep learning technology, through the extraction of target features, no matter where the face is facing, can achieve smooth humanoid tracking.
- Good Compatibility**
 Supports mainstream video conferencing software on the market.
- Remote Control**
 Multiple control modes, including RS232 and USB.
- Low Illumination**
 New CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. Meanwhile, the application of 2D and 3D noise reduction algorithms dramatically reduces image noise. The image maintains clean and clear even under ultra-low light illumination. The SNR of the image is as high as 55dB or above.
- Two Kinds of Power Supply Modes**
 Supports both USB 5V and DC 12V power supply.

Camera	
Sensor	1/2.9", CMOS, Max Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	3x, f3.35mm ~ 10.05mm, F1.7 ~ F3.0
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
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°

Input/Output Interface	
USB Interface	1xUSB 2.0, Type-C
Audio Input	Built-in dual Mics, 3m Pickup distance
Communication Interface	1xRS232 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)

USB Features	
Operating System	Windows 7, Windows 8, Windows 10, Windows 11Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG
Audio on USB	Support
Video Format	YUY2 (Isochronous mode): Max 640x480P30 MJPEG: Max 1920x1080P30 H.264:Max 1920x1080P30
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support



General specification	
Input Voltage	DC 12V/USB 5V
Input Current	12V 1.0A(Max)/5V 1A(Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
MTBF	>30000H
Size	144mm x 144mm x 167.9mm