



U12 Video Conference Camera



Product Features

Full HD Camera 12x optical zoom with USB

1080P Full-HD

1920 x 1080 resolution and achieve quality image.

High Frame Rate

1080P output frame rate up to 60fps.

Full Function USB Interface

Full function USB interface, compatible with USB 3.0 and USB 2.0, support audio and encoding output, and support the UVC V1.5 ~ 1.1 protocol.

Low Light

The application of 2D and 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.

PoE Support

The wired network supports PoE power supply, the control, power supply, video and audio can be completed with a network cable.

°72.5 Wide-Angle Lens 16x Digital Zoom

°72.5 ultra-wide-angle lens with 12x optical zoom and 16x digital zoom.

Remote Control

The camera can be controlled remotely through the RS232, RS485, network and USB port.

Multiple & Complete Interfaces

Support 1080P video output via HDMI (optional), USB 3.0 and network interface simultaneously.

H.264 Slice / H.264 SVC Supported

The H.264 standard supports Slice and SVC coding and is suitable for USB video conferencing.

Dual stream (optional)

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

Three Power supply Modes

Simultaneously support USB 5V, 12V power adaptor and PoE power supply.

Product Specification

Camera

Video Resolution	1080P60 ,1080P50 1080P30, 1080P25 ,720P60 ,720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Focal length	12x, f=3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter Speed	30/1s ~ 10000/1s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR Support
Backlight Compensation	
Digital Noise Reduction	2D&3D Digital Noise Reduction
S/N Ratio	≥55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7° /s
Tilt Speed	2.7° ~ 31.5° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

I/O Interface

USB Interface	1 x USB 3.0, Type-C
HDMI Output	1 x HDMI 1.4b
Network Interface	1 x RJ45 : 10M / 100M adaptive Ethernet
Audio Interface	1 x Line In, 3.5mm Jack
Control Interface	1 x RS232 In: 8pin Min DIN, Max. Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS2 :485pin phoenix port, Max. Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Power Interface	JEITA (DC IN 12V) / USB Type-C (DC IN 5V) / PoE

General Specification

Input Voltage	DC 12V / USB 5V
Input Current	12V 1.0A(Max.)/5V 1.5A(Max.)
Operating Temperature	- 10 °C ~ 40 °C
Storage Temperature	- 40 °C ~ 60 °C
Power Consumption	12W (Max.)
Dimensions	144mm x 144mm x 166.9mm
Net Weight	1.41Kg

USB Features

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	YUY2:1080P@60fps (max.) H.264 AVC:1080P@60fps (max.) H.264 SVC (optional): 1080P@60fps (max.) MJPEG: 1080P@60fps (max.)
UVC Audio	Support
USB Video Communication Protocol	UVC 11 -15
UVC PTZ Control	Support

Network Features

Video Compression	H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1280 ,1080x1024 ,720x576 etc.
Second Stream Resolution	1280x720,1024x576,720x50)576Hz Supported), 720x60)480Hz Supported) etc.
Video Bit Rate for First Stream	32Kbps ~ 102400Kbps
Video Bit Rate for Second Stream	32Kbps ~ 6144Kbps
Bit Rate Control	Variable Bit Rate; Constant Bit Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.