



USB3.0 HD Video Conference Camera

EB-VCPTZ60S



PROFESSIONAL

Main Features

USB3.0

Support USB3.0 ultra-high speed interface, can transfer uncompressed original video, and downward compatible with USB2.0. USB3.0, HDMI, Network can output at the same time. It also support CVBS interface (supported by V60 only).

Microphone & AAC Audio Encoding

Built-in microphone (supported by V60U only) or an external microphone (supported by V600U only), and support audio line in input. Support AAC audio encoding, better sound quality and smaller bandwidth.

H.265 Support

The first H.265 encoding support conference video camera in the world, enabling full HD 1080p/60fps video stream by ultra-low bandwidth.

1080P Full HD

Apply Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.

Ultra-high Frame Rate

The output frame rate up to 60fps in 1080P, up to 120fps output in 720P (supported by network only), 640x480P can be as high as 240fps (supported by network only, optional).

Face Detection

Built-in face detection module, enabling PTZ tracking (optional).

Local Storage

Support local storage module, directly recording to local USB flash disk without NVR.

Low-light

High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.

20x Optical + 32x Digital Zoom

Use TAMRON high quality super telephoto lens, support 20x optical zoom, and 32x digital zoom (optional).

Remote Control

Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.



Live **Streaming**
Professional Video **Production**
Video **Conference**

Technical Specification



Video Conference



Compatible with different OS



Omni-directional microphone



Compatible with the main ones video conferencing software



Plug and Play



PTZ AutoTracking

Camera

Video System	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/120 (supported by network only), 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240 (supported by network only, optional)
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8
Digital Zoom	16x (optional)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60.7° ~ 3.36°
Vertical Angle of View	34.1° ~ 1.89°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
Face Detection	Support (optional)
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°

USB Features

Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System	YUV 4:2:2
Video Format	USB3.0 : 1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25 USB2.0 : USB2.0:960x540p/30, 960x540p/25, 640x360p/60, 640x360p/50
USB Video Communication Protocol	UVC 1.0
UVC PTZ	Support

IPC Features

Video Compression	H.265/H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate

Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps, 720p120: 120fps, 640x480p240: 240fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Input/Output Interface

HD Output	1xHDMI: Version 1.3
SD Output	1xCVBS: 3.5mm mini jack, 1Vp-p, 75Ω
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
USB	1xUSB3.0: Type B female jack / 1xUSB2.0: Type A female jack
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)

Generic Specification

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
MBTF	≥30000 hours
Power Consumption	12W (Max)
Size	169mm x 142mm x 164mm
Net Weight	1.35Kg (3.01lb)

