



## 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<br>(supported by network only), 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240<br>(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<br>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<br>1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only<br>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 (3.0lb)               |