



PTZ-300-PoEv2

4K Video Conference Camera



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Overview

PTZ-3000-PoEv2 is a model in the PTZ-Series video conference camera lineup. Like other PTZ-Series video conference cameras, it has applied Panasonic's 1/1.8 inch, 8.42 million effective pixels high-quality 4K CMOS sensor. Local storage module, directly recording to local USB flash disk.

Features

- **UHD 4K resolution**, adopts a new generation of SONY 1/1.8 inch high quality UHD CMOS sensor with a maximum of 8.42 million pixels, which can achieve 4K (3840x2160) high quality images with ultra-high resolution. And downward compatible with high-quality 4K CMOS sensor.
- **HDMI 2.0**, support HDMI specification, can directly output 4K uncompressed digital video.
- **Local storage**, support local storage function, without NVR can achieve U disk local direct recording.
- **Built-in gravity sensor**, support image automatic flip function, convenient installation and use of engineering.
- **20 X optical zoom**, Adopt high quality real 8.42 million ultra-high resolution 4K ultra-telephoto lens, 20 X optical zoom, the maximum field of view over 60°
- **Low power sleep function**, supports low power sleep/wake, power consumption is less than 400mW in sleep state.
- **Remote control**, various control mode, can use RS232, RS485, network and USB, can control the camera.
- **Smart exposure**, effectively solve the impact of projection, TV and other equipment on the shooting of characters

Accessories

- 1 Camera
- 1 Power Cable
- 1 Remote Control
- 1 Power Adapter
- 1 RS232 Cable
- 1 User Manual

Size & Weight

Length	154.8mm
Width	223mm
Height	165mm
Net Weight	1.8kg



Specifications - Camera

Signal System	4K@60fps,4K@59.97fps, 4K@50fps,4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps,1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps
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Sensor	1/1.8 inch, CMOS, Effective pixels: 8.42M
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Scanning Mode	Progressive
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Lens	20x, f = 6.25mm ~125mm, F 1.58 ~ F3.95
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Digital Zoom	16x
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Minimum illumination	0.5 Lux @ (F1.8, AGC ON)
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Shutter	1/30s ~ 1/10000s
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White Balance	Auto, Indoor, Outdoor, One Push, Manual
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Backlight Compensation	Support
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Digital Noise Reduction	3D Digital Noise Reduction
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Signal Noise Ratio	≥55dB
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Horizontal Angle of View	60° ~ 3.5°
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Vertical Angle of View	35.7° ~ 2°
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Horizontal Rotation Range	±162.5°
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Vertical Rotation Range	-30° ~ +90°
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Pan Speed	1.8°/s ~ 80.5°/s
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H & V Flip / Image Freeze / Local Storage	Support
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Number Of Preset & Accuracy	255, 0.1°
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Network Features

Video Stream

First & Seconf

First Stream Resolution

3840x2160, 1920x1080,
1280x720, 1024x576,
720x480, 720x408,
640x480, 640x360

Second Stream Resolution

720x480, 720x408,
640x480, 640x360,
480x320, 320x240

Bit Rate Control

CBR, VBR

Franme Rate

50Hz: 1fps ~ 50fps,
60Hz: 1fps ~ 60fps

Video Compression

H.264/H.265/MJPEG

Audio Compression

G711A, AAC

Audio Bit Rate

96K, 128K

Protocols

NDI®|HX, TCP/IP, HTTP,
RTSP, RTMP(S), ONVIF,
DHCP, SRT, Multicast, etc.



Interface / Indicator

LINE IN Interface	1 x LINE IN: 3.5mm Audio Interface
Communication Interface	1 x RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
	1 x RS232 OUT: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
	1 x RS232 IN: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
HDMI Interfac	1 x HDMI: Version 2.0
LAN(PoE+) Interfac	1 x RJ45: 10/100/1000M Adaptive Ethernet Port. It supports PoE
Protocols	NDI® HX, TCP/IP, HTTP, RTSP, RTMP(S), ONVIF, DHCP, SRT, Multicast, etc.
USB Interfa	1 x USB: Type
3G-SDI Interface	1 x 3G-SDI: BNC type, 800mVp-p, 75Ω. Along to SMPTE 424M standar
RESTORE Button	1 x RESTORE Butto
Power Jack	1 x Power Jack
TALLY Indicator	1 x TALLY Indicator
Power Indicator	1 x Power Indicator
Status Indicat	1 x Status Indicator
Display Interfac	1 x Display Indicator
Power Interfac	1 x Power Indicator

USB Features

Operate System	Windows 7/8/10, Mac OS X, Linux, Android
Video Stream	First Stream, Second Stream
Color System / Compression	YUY2 / MJPEG / H.264 / H.265
Video Format	YUY2: max to 1080P@30fps H.264 AVC/SVC: max to 2160P@30fps H.265 SVC: max to 2160P@30fps MJPEG: max to 2160P@30fps
USB Audio	Support
USB Video Protocol	UVC 1.1 ~ 1.5
UVC PTZ	Support

Physical Parameter

Input Voltage	DC 12V / PoE+(802.3at)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max.)

