

Full HD PTZ Camera



Key Features

- **Camera** - USB3.0 HD Video Conference Camera
- **Full Function USB Interface** - Full function USB interface, compatibility USB3.0 and USB2.0, support audio, support compressed video output, support UVC V1.1~V1.5 protocol.
- **1080P Full HD** - Apply Panasonic's 1/2.8 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
- **72.5° Wide-angle Lens + 16x Digital Zoom** - Use 72.5° wide-angle high quality lens, support 12x optical zoom, and 16x digital zoom
- **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. The image signal-to-noise ratio is up to 55dB or more.
- **PoE support** - The wired network supports PoE power supply, control. Video and audio only need one network cable.
- **Remote Control** - Multiple controlling method, RS232, RS485, network and USB interface support for remote controlling.
- **H.264 Slice/ H.264 SVC Support** - Support Slice and SVC encoding mode, adapts to video conference of advance USB application.
- **Dual stream (optional)** - Support two stream output (YUY2, MJPEG, H.264 each of both), reduce the host codec pressure
- **interfaces** - Support HDMI, USB3.0 and LAN interface can output HD video at the same time.
- **Three power supply methods** - Supports USB 5V power supply, 12V power adapter power supply and PoE power supply

Technical Specification

Video System	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
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	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
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°
USB Featured	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
OperateSystem	
Color System / Compression	YUV / H.264 / MJPEG
Video Format	YUY2 (ISOC): max to 1080P@60fps H.264 AVC: max to 1080P@60fps H.264 SVC(optional): max to 1080P@60fps MJPEG: max to 1080P@60fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ IPC Featured	Support
Video Compression	H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080,1280x720,1024x576,960x540,640x480,640x360
Sub Stream Resolution	1280x720,1024x576,720x480,720x408,640x360,320x240, 320x180
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/ Output Interface	
USB interface	1xUSB 3.0, Type-C jack
HD output	1xHDMI1.4b
Network Interface	1xRJ45: 10M/100M Ethernet
Audio Interface	1xLine In, 3.5mm Audio Interface
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V) /USB B type (DC IN 5V) /PoE
Generic Specification	DC 12V/DC 5V/PoE(802.3af)
Input Voltage	
Current Consumption	12V 1.0A(MAX)/5V 1.5A(MAX)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (MAX)
MTBF	>30000 hours
Size	144mm x 144mm x 167.9mm
Net Weight	1.28KG