

4K PTZ Video Conference Camera PTZ-4K650

LIVE

Streaming & Broadcasting



Comm PTZ-4K650 uses the new generation of Sony 1 / 2.5 inches high-quality UHD CMOS sensor with a maximum of 8.51 million pixels to output 4K (3840x2160) ultra-high resolution images, downward compatible with 1080P, 720P and other resolutions. Support HDMI2.0, can directly output 4KP60 uncompressed digital video.

Combined with AI tracking and smooth PTZ function, it is used for live events, auditorium lectures, sports and game competitions, online and distance learning courses, multinational conferences, personnel training courses, live streaming and other application scenarios.

Features

- **AI Intelligent Tracking**
Built-in AI processor, using learning technology to use human shape features, it can achieve smooth automatic tracking of human shapes.
- **4K Ultra HD**
Using the new generation of SONY 1/2.8-inch, maximum 8.40 million pixels high-quality UHD CMOS sensor to obtain 4K (3840x2160) Ultra-high-resolution images.
- **Wide Angle Lens with 12x Optical Zoom**
Using high-quality true 8 million ultra-high-resolution 4K wide-angle lens with the 12x optical zoom and horizontal field of viewing up to 80 degrees.
- **HDMI 2.0**
Support HDMI 2.0 with direct output 4KP60 uncompressed digital video.
- **Low Light**
Application of 3D digital noise reduction algorithms greatly reduces image noise. Even under the condition of ultra-low illumination, the pictures will still be crisp and clear.
- **Multiple Interface**
Supports HDMI 2.0 FHD output and 3G-SDI interface with effective transmission distance up to 150 meters.
- **Remote Control**
Through RS232 and RS485 serial ports, camera can be controlled remotely using the supplied remote control.
- **Intelligent Exposure**

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Specifications

A) Camera	
Video System	4K@60fps,4K@59.94fps, 4K@50fps,4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps,1080I@50fp, 1080P@30fps,1080P@25FPS,1080P@59.94fps,1080I@59.94fps etc.
Sensor	1/2.8", CMOS, Effective Pixel
Scanning Mode	Progressive
Lens	12x, f = 3.47mm ~41.65mm, F 1.84 ~ F 3.72
Digital Zoom	16x
Minimal Illumination	.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Automatic, indoor, outdoor, one touch, manual
Backlight Compensation	Yes
Digital Noise Reduction	3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	80.8° ~ 7.5°
Vertical Angle of View	49.9° ~ 4.3°
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	Yes
Image Freeze	Yes
PoE Support	Yes
Number of Preset	Max 255
Preset Accuracy	0.1°
B) IPC Video Features	
Video Compression	H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Sub Stream Resolution	720x576, 720x480, 320x240 etc.
Video Bit Rate	32kbps~102400kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Support protocols	NDI@ HX2, SRT, TCP/IP,HTTP,RTSP,RTMP(s),Onvif,DHCP,Multicast
C) USB	
Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System	YUY2 / H.264 / MJPEG
Video Format	Max 4k30
Audio on USB Support	Yes
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Support	Yes
D) Input/Output Interface	
HD Output	1xHDMI
Network Interface	1xRJ45
Audio Interface	1-ch
USB	1xUSB3.0
Communication Interface	1xRS232 In
RESTORE Support	Yes
Power Jack	DC IN 12V
E) General	
Display screen Support	Yes
Tally light	1PCS (Red and Green)
Power Indicator light	1PCS(Blue)
Status indicator light	1PCS (Green)
Input Voltage	DC 12V / POE
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	MAX 18W
Dimensions (L*W*H)	223mm*154.8mm*165mm
Weight	1.8KG

All products information and specifications are subject to changes without prior notice.