

4Kp60 Ultra HD AI PTZ Camera

Designed for ProAV market, equipped with 30X large optical zoom, coupled with robust and reliable Pan/Tilt mechanical, achieve a smooth and precise tracking. Best choice for broadcasting, live streaming, stadiums and other scenarios need large optical zoom.



4K 60fps



Multiple
Interfaces



AI Tracking



30X
Optical Zoom



POE+

NDI

NDI Optional



Key Features

- 4K60FPS**
 Use a high -quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.
- 30X Optical Zoom + 59° Wide -angle Lens**
 4K optical lens, support max 30X optical zoom(50X lossless in 1080P) and 59° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.
- AI Smart Tracking**
 With the built-in AI capability and algorithms, camera can support multiple tracking modes,including body tracking, hybrid tracking and etc.
- Rich and perfect interfaces**
 HDMI2.0, USB2.0/3.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously.
- Low-Light Enhancement**
 A brand-new CMOS image sensor with a 55dB SNR effectively reduces image noise in low-light conditions. The 3D noise reduction significantly lowers image noise, ensuring clear images in low-light situations.
- POE+ support**
 The wired network supports Poe power supply, and control, power supply, video and audio can be completed with only one network cable.
- Remote control**
 Multiple control modes, using RS232, RS485, network and USB to control the camera.
- Multiple Control Interface**
 RS485, RS232-IN. RS232-OUT, and the RS232 interface supports cascading.
- Non-compressed video stream**
 HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.
- Built-in Gravity Sensor**
 Supports image auto-flipping function, facilitating easy installation and use in various setups.
- Supports NDI® |HX2 (Optional)**
 Support low-latency NDI® |HX2 protocol, plug to play, minimal configuration and easy for deployment.
- Multiple Preset**
 Support 255 preset positions (the remote controller is set to 10preset positions).
- Wide Application**
 Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command system.

Technical Specification

Model	UVC80-4K-30X
Camera Specification	
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42MP
Lens	30x, f=7.1mm ~ 210mm, F1.61 ~ F5.19
Horizontal FOV	59.2° ~ 2.5°
Vertical FOV	34.6° ~ 1.4°
Signal System	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
AI Feature	AI Tracking
PoE+	Support
Scanning Mode	Progressive
Minimum Illumination	0.5Lux (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
DNR	2D & 3D DNR
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB
Input/Output Interface	
Interfaces	USB 2.0, USB3.0, 3G-SDI, HDMI, LAN, Audio-IN/OUT, RS232, RS485; NDI (Optional)
Video Output Interfaces	USB, 3G-SDI, HDMI, LAN
Network Interface	RJ45: 10M / 100M adaptive Ethernet port
Audio Interface	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
USB Interface	1 x USB2.0, Type-A 1 x USB3.0, Type-B
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)
Network Specification	
Video Compression Format	H.265 / H.264 / MJPEG
Image Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.

Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI® HX2 (Optional), SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.

USB Specification

Support operating system	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color space / compression	YUY2 / MJPEG/ H.264/ H.265
Video format	YUY2: Max.1080P5 (USB2.0); YUY2: Max.1080P30 (USB3.0); H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
USB video communication protocol	UVC 1.1 and 1.5
UVC PTZ control	Support

PTZ Specification

Pan/Tilt Rotation	±170°, -30°~+90°
Pan Speed	1.7° ~ 100° /s
Tilt Speed	1.7° ~ 69.9° /s
Image Flip	Support
Image Freeze	Support
Preset Number	255 presets (10 presets by remote controller)

Other Specification

Input Voltage	DC 12V /PoE+ (802.3at)
Input Current	2A (Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	18W (Max.)
Net Weight	2kg
Dimension	170mm x 228mm x 181mm

Accessory

Package	Power supply, USB3.0 cable, Remote controller, User manual
Optional Accessories	Ceiling / Wall Mount (Extra Cost)

Interface Picture:

