

1080p60 Full HD AI PTZ Camera

Designed for activities such as work presentations and business negotiations, the cameras feature 1080P full HD telephoto lenses with 12x/20x/30x optical zoom, ensuring clarity at various distances. Equipped with AI automatic framing and humanoid tracking algorithms, these cameras provide a professional and intelligent meeting experience without manual intervention.



NDI

1080p 60fps Auto Framing AI Tracking 12X/20X/30X Optical Zoom POE NDI Optional



Key Features

- **1080P Full HD**

Utilizing a 1/2.8-inch, 2.07 million effective pixel HD CMOS sensor, these cameras achieve a maximum resolution of 1920x1080 with frame rate up to 60fps.

- **Multiple Optical Zoom Lens + UHD Wide-Angle Lens**

UVC50-12X: 12x optical zoom +16x digital zoom + 72.5° horizontal FoV.

UVC50-20X: 20x optical zoom +16x digital zoom + 58.7° horizontal FoV.

UVC50-30X: 30x optical zoom +16x digital zoom + 58.1° horizontal FoV.

- **New generation AI human tracking algorithm**

Supports AI tracking and Auto framing functions.

(*Note: With AI intelligent tracking and automatic framing functions enabled, USB 3.0+HDMI+LAN support 1080p60 resolution output, 3G-SDI has no video output, and all three interfaces can output simultaneously.)

- **Full Interface & Low Latency**

Supports HDMI, 3G-SDI, LAN, USB3.0 FHD 1080P output in sync.

- **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.

- **Multiple Control Interface**

Support VISCA(including VISCA Over IP), PELCO P/D, Onvif, and NDI® (optional) control protocols, and automatically identifies protocols.

- **Multiple Network Protocols:**

Support SRT, RTSP, RTMP, RTMPS and NDI® |HX2 (optional), and other network protocols.

- **Supports FULL NDI & NDI® |HX2 (Optional)**

Support FULL NDI2, which allows the transmission of NDI-encoded videos. They are also backward compatible with NDI® |HX2 protocol, which requires lower network bandwidth and enables low-latency transmission of H.265/H.264 encoded videos.

- **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	UVC50-12X	UVC50-20X	UVC50-30X
Camera Specification			
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07MP		
Lens	12x, f=3.9m(W)~46.8mm(T), F1.6~F2.8	20x, f=5.2m(W)~104mm(T), F1.55~F3.13	30x, f=5.2m(W)~156mm(T), F1.3~F4.8
Horizontal FOV	72.5° (W)~6.5° (T)	58.7° (W)~3.2° (T)	58.1° (W)~2.14° (T)
Vertical FOV	40.8° (W)~3.7° (T)	32.2° (W)~1.8° (T)	34.1° (W)~1.2° (T)
Signal System	HDMI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50		
Digital Zoom	16X		
AI Feature	AI Tracking, Auto Framing, Tracking Size, Tracking Sensitivity, AI Guard Position		
PoE	Support		
Scan Mode	Line by line		
Digital Zoom	16X		
Minimum Illumination	UVC50-12X: 0.1Lux (F1.8, AGC ON) UVC50-20X: 0.1Lux (F1.5, AGC ON) UVC50-30X: 0.1Lux (F1.3, AGC ON)		
Shutter	1/50s ~ 1/10000s		
DNR	2D & 3D DNR		
White Balance	Auto, Indoor, Outdoor, One Push, Auto Tracking, Manual		
Backlight Compensation	Support		
WDR	OFF/ Dynamic level adjustment		
SNR	≥50dB		
Input/Output Interface			
Interfaces	USB 3.0, 3G-SDI, HDMI, LAN, Audio-IN, RS232-IN/OUT, RS422, RS485, NDI (Optional)		
Video Output Interfaces	USB3.0, 3G-SDI, HDMI, LAN		
Network Interface	RJ45: 10M / 100M adaptive Ethernet port		
Audio Interface	1 Line, Line In, 3.5mm		
Serial Interface	1 Line, RS232 IN/OUT: 8-Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol. 1 Line, RS422/485: 5-Core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol.		
Power Interface	JEITA type(DC IN 12V)		
Audio			
Audio Compression	AAC		
Audio Bit Rate	128kbps		
Network Specification			
Video Compression Format	H.264, H.265		
Image Stream	First Stream, Second Stream		
First Stream Resolution	1920*1080, 1280*960, 1280*720, 720×576, 720*480, 640*480		

UVC50 Series Full HD PTZ Camera

Second Stream Resolution	640*480, 640*360, 480*360, 352*288, 320*240, 176*144
Bit Rate Control	VBR, CBR
Frame Rate	1fps ~ 60fps
Protocols	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, NDI®HX2 (Optional)

USB Specification

Support operating system	Window7 and above, MacOS, Linux, Android
Color space / compression	YUY2, MJPEG
Resolution	1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240
Frame Rate	Max.60
USB video communication protocol	UVC 1.1
UVC PTZ control	Support

PTZ Specification

Pan/Tilt Rotation	355° , -30° ~+90°
Pan Speed	1° ~ 80° /s
Tilt Speed	1° ~ 60° /s
Image Flip	Support
Image Freeze	Support
Preset Number	255 presets (10 presets by remote controller)

Other Specification

Input Voltage	DC 12V /PoE (802.3af (Optional))
Input Current	1.5A (Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-10~60°C
Color	Black, White (Optional)
Power Consumption	18W (Max.)
Net Weight	1.2kg
Dimension	(W)134*(D)174*(H)187mm

Accessory

Package	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, RS-232C Cable
Optional Accessories	Ceiling / Wall Mount (Extra Cost)

Interface Picture:



