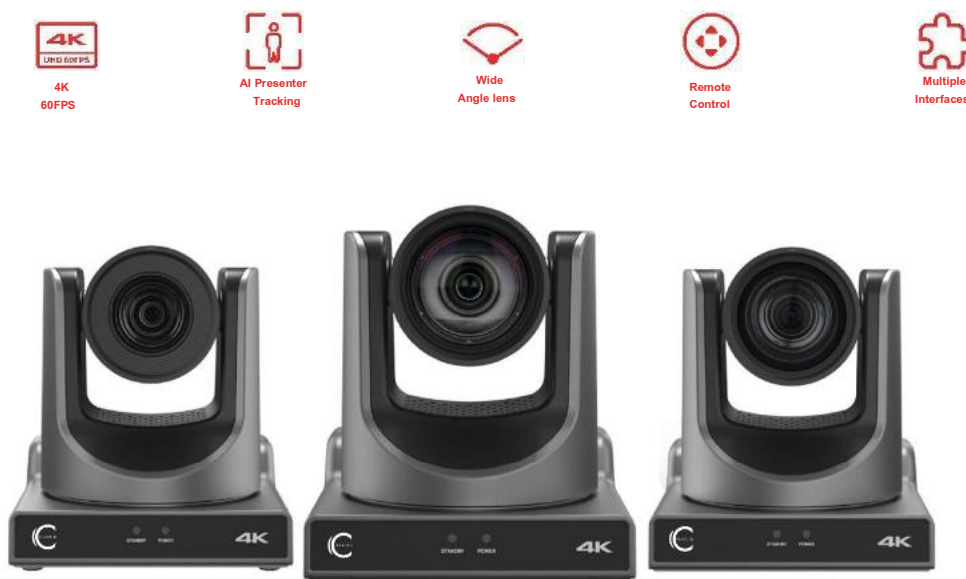


“Engineered for large rooms, designed for clarity”

PTZ Professional Camera

Model: CLA-CAM20-PLUS



SUMMARY

• Featuring large UHD CMOS sensors, they capture stunning 4K (3840×2160) resolution images with remarkable detail. The powerful 20x ultra-long optical zoom ensures every participant is visible, even from a distance, while integrated AI presenter tracking technology provides seamless recognition and accurate tracking from any position in the room.

Self-developed precision PTZ mechanism for smooth movement.

FEATURES

❖ Ultra-HD 4K60P Imaging

Powered by a 1/1.8-inch UHD CMOS sensor with 8.42 million pixels, delivers crystal-clear 4K (3840×2160) ultra-high-resolution images.

❖ 20x Optical Zoom & Wide-Angle Coverage

Equipped with a high-quality 4K ultra-long focal lens, - Offers 20x optical zoom for detailed close-ups.

❖ Advanced Electro-Mechanical PTZ

❖ Multiple Interface Options

Supports HDMI, 3G-SDI, USB, and LAN outputs simultaneously, Ensures seamless integration with diverse AV systems.

❖ Uncompressed Video Output

Direct uncompressed digital video via HDMI 2.0 and 3G-SDI.

❖ Flexible Remote Control

Multiple control methods: RS232, RS485, USB, and network.

❖ Superior Low-Light Performance

3D noise reduction algorithm minimizes image noise, Maintains clean, clear visuals even under ultra-low illumination

❖ Intelligent AI Tracking

Built-in AI algorithms for automatic humanoid tracking.

- ❖ **NDI®|HX2 Integration**
Supports low-latency, plug-and-play network video transmission environments, - Enables simultaneous audio, video, and control

- command delivery.
- ❖ **Gravity Sensor**
Automatic image flipping function for flexible installation

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SPECIFICATIONS

Main Features		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
		Power Interface	JEITA type (DC IN 12V
Uncompressed Video Output	HDMI:4K60P, 4K59.94P, 4K50P, 4K30P, 4K29.97P, 4K25P, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94; 3G-SDI:1080P60,1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25; 1080I60, 1080I59.94, 1080I50; 720P60, 720P59.94;		
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels	Network Interface	
Scanning Mode	Progressive	Video Compression	H.265 / H.264 / MJPEG
Focal length	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95	Video Stream	First Stream, Second Stream
Digital Zoom	16x(Max.)	First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.

Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)	Second Stream Resolution	720x480, 320x240 etc.
Shutter	1/30s ~ 1/10000s	Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR	Bit Rate Control	VBR, CBR
Backlight Compensation	Support	Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Digital Noise Reduction	3D Digital Noise Reduction	Audio Compression	AAC
SNR	≥55dB	Audio Bit Rate	96Kbps, 128Kbps
Horizontal FOV	60° ~ 3.5°	Protocols	NDI® HX2, SRT, TCP/IP,HTTP,RTSP, RTMP(s), Onvif, DHCP, Multicast, etc.
Vertical FOV	35.7° ~ 2.0°	USB Features Windows 7, Windows 8, windows 10, windows 11, MacOS 11.6.6 or higher versions, Ubuntu 18.04.4 lts or higher versions, Android 8.0.0 or higher versions	
Pan Angle	±170°		
Tilt Angle	-30° ~ +90°		
Pan Speed	1.7° ~ 100° /s	Color System / Compression	YUY2 H.265 / H.264 / MJPEG
Tilt Speed	1.7° ~ 69.9° /s	Video Format	YUY2: Max.1080P5; H.264 : Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
Image Flip	Support	USB Audio	Support
Image Freeze	Support	USB video Communication Protocol	UVC 1.1~1.5
PoE+	Support	UVC PTZ Control	Support
Preset Position	255	General Specifications Input Voltage	

Preset Accuracy	0.1°	Input current	2A (Max.)
Interfaces	1x HDMI: Version 2.0; 1x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard	Operating Temperature	0 ~ 40° C
		Storage Temperature	-40 ~ 60°C
Network Interface	1x RJ45: 10M/100M/1000M adaptive Ethernet	Power Consumption	18W (Max.)
Audio Interface	1 x Line In: 3.5mm Jack; 1 x Line Out: 3.5mm Jack	Dimension	169mm x 142mm x 175mm
USB Interface	1 x USB2.0, Type-A	Net Weight	1.5Kg