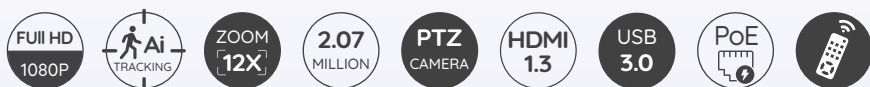


HD-400Ai-12X

Professional PTZ Camera with Ai technology
1080P / HDMI+LAN+USB / 12X optical zoom



● **1080P Full HD** Utilizing a 1/2.8-inch, 2.07 million pixels HD CMOS sensor, delivering superior image quality with a maximum resolution of 1920x1080.

● **Wide-angle + Long Zoom** 72.5° wide-angle lens, supporting 12x optical zoom and 16x digital zoom.

● **PoE** The wired network supports PoE power supply, the control, power supply, video and audio can be completed with a network cable.

● **Low Light Enhancement** The camera ensures clear images in low-light situations by using a CMOS image sensor of 55dB SNR and a 2D & 3D noise reduction to reduce image noise in low-light conditions.

● **H.264 Slice / H.264 SVC** The H.264 stream supports Slice and SVC encoding modes, and suitable for high-end USB conference video application

● **Remote Control** Support multiple ways of control, like RS232, RS485, Network and USB.

● **AI Presenter Tracking** Equipped with in-house-developed ReID technology, the device identifies the speaker's figure, appearance, and outfit. As the speaker moves within the room, the camera automatically tracks them, ensuring the target remains centered. Even if there are interferences or the speaker exits the frame, the camera swiftly recaptures and tracks them upon reentry.

● **Dual Stream** Support dual stream output (YUY2, MJPEG, H.264 each of both) to reduce the host codec pressure.

● **Multiple Interfaces** Support 1080P video output through HDMI, USB 3.0 and network simultaneously.

● **Three Power Supply Modes** Supports USB 5V power, 12V power adapter, and PoE.

Camera	
Signal System	1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50
Sensor	1/2.8-inch, CMOS, Effective Pixels: 2.07MP
Scanning Mode	Progressive
Digital Zoom	16X
Lens	12X, f3.5mm~42.3mm, F1.8~F2.8
Video Format	YUY2: Max. 1080P60; H.264 AVC: Max. 1080P60; MJPEG: Max. 1080P60; H.264 SVC(Optional): Max. 1080P60
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance VAR	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥ 55dB
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	2.7° ~ 35.7° /s
Tilt Speed	2.7° ~ 31.5° /s
Image Flip & Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

Network Features	
Video Compression	H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	1280x720, 1024x576, 720x408 etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Control	VBR, CBR
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	NDI@ HX2, TCP/IP, HTTP, RTSP, RTMP(S), Onvif, DHCP, Multicast, etc.

USB Features	
Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 H.264 / MJPEG
USB Video Class (UVC)	Support
USB Audio	UVC 1.1
UVC PTZ Control	Support

Interfaces	
USB Interface	1 x USB3.0, Type-C
HD Output	1 x HDMI 1.4b1
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet
Audio Interface	1 x Line In, 3.5mm Jack
Power Interface	JEITA (DC IN 12V) / USB Type-C DC IN 5V / PoE
Control Interface	1 x RS232 In: 8pin Min DIN, Max. Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 x RS485 In: 2pin phoenix port, Max. Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P

General Specifications	
Input Voltage	DC 12V / DC 5V / PoE(802.3af)
Input current	12V 1.0A(Max.) / 5V 1.5
Operating Temperature	-10 ~ 40 °C
Storage Temperature	-40 ~ 60 °C
Power Consumption	12W
Net Weight	1.41kg
Dimension (W x D x H)	144 × 144 × 166.89mm

Certifications : CE FCC EMC