UHD-400AT12X

4K Video Conference PTZ Camera Optical Zoom 12X

Camera	
Video Resolution	HDMI : 4KP30fps, 4KP29.97fps, 4KP25, 1080P30, 1080P29,29, 1080P25
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.42M
Scanner Mode	Progressive
Focal length	12x, f=4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	–
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter Speed	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
S/N Ratio	≥55dB

PTZ	
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	–30° ~ +90°
Pan Speed	2.7°~ 35.7°/S
Tilt Speed	2.7°~ 31.5°/S
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

General Specifications	
Input Voltage	DC 12V / PoE(802.3af)
Input Current	12V 1.0A(Max.)
Operating Temperature	–10°C ~ 40°C
Storage Temperature	–40°C ~ 60°C
Power Consumption	12W (Max.)
Dimensions	144 x 144 x 166.9mm
Net Weight	1.41kg

Network Features	
Video Compression	H.265 /H.264 /MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080,1280x720,1024x576 etc.
Video Bit Rate	32kbps ~ 6144kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocol	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

USB Features	
Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux
Color System / Compression	YUY2 /MJPEG /H.264 /H.265
Video Format	YUY2: Max.1440p/30; MJPEG: Max.2160p/30; H.264 AVC: Max.2160p/30; H.264 SVC: Max.2160p/30; H.265 AVC: Max.2160p/30
USB Audio	Support
USB video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

Interface	
USB Interface	1x USB3.0, type-C
HDMI Output	1×HDMI1.4b(optional)
Network Interface	1x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1x LINE IN: 3.5mm Jack
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
Power Interface	DC IN 12V/ PoE

4K UHD   High-quality 1/2.5-inch UHD CMOS sensor with 8.42 million effective pixels for ultra-high resolution high-quality images up to 4K (3840x2160) and downward compatible with 1080P, 720P and other resolutions.

12x Optical Zoom + 71° Wide-angle Lens   Using high-quality ultra-high-resolution 4K ultra-highdefinition lens, the maximum horizontal field of view is up to 71°, while supporting classic 12x optical zoom

Electromechanical head   Built-in self-developed electromechanical head, the horizontal rotation range can reach ±170°, the rotation speed range is 2.7°~35.7° /s; the vertical rotation range can reach –30°~90°, and the rotation speed range is 2.7°~31.5° /s.

Multiple & Complete Interfaces   Support 1080P video output via HDMI* , USB 3.0 andnetwork interface simultaneously

Low Illumination   The application of 2D and 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keeps the picture clean and clear, and the SNR of image is as high as 55dB.

Remote Control   The camera can be controlled remotely through the RS232, RS485, network and USB port.

HDMI 1.4 *   Support HDMI* and can output uncompressed 4K original video

H.264 Slice / H.264 SVC Supported   The H.264 standard supports Slice and SVC coding and issuitable for USB video conferencing.

Dual Stream (Optional)   Simultaneously support two streams output (YUY2, MJPEG,H.264 each of both) to reduce the host codec pressure.

Two Power Supply Modes   Simultaneously 12V power adaptor and PoE power supply.

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

Platform compatible   Zoom, Microsoft Team, Webex, Google Meet