

UHD-400AT20X

4K Video Conference PTZ Camera Optical Zoom 20X



- 4K UHD** High-quality 1/1.8-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.
- 20x Optical Zoom + 60° Wide-angle Lens** Adopt high-quality ultra-high-resolution 4K ultra-highdefinition telephoto lens, support up to 20x optical zoom, 35mm equivalent focal length up to about 610mm, 40x clear zoom at 1080P resolution, and horizontal field of view up to 60°
- 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 4K video output via USB 3.0 and network interface simultaneously.
- Full Function USB Interface** Compatible with USB 3.0 and USB 2.0, support audio and encoding output, and support the UVC V1.1 ~ 1.5 protocol.
- 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.
- 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

Camera	
Video Resolution	HDMI: 4KP30fps, 4KP29.97fps, 4KP25, 1080P30, 1080P29.29, 1080P25
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42M
Scanner Mode	Progressive
Focal length	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x
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

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 ~ 20480kbps
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.

PTZ	
Horizontal FOV	60° ~ 35°
Vertical FOV	35.7° ~ 2.0°
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°

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

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 167.9mm
Net Weight	1.41kg

Interface	
USB Interface	1x USB3.0, type-C
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