UHD-400AT20X

4K Video Conference PTZ Camera Optical Zoom 20X

Support Auto Tracking / Auto Framing





4K UHD | ZOOM 20X | 8.42 MILLION | PTZ CAMERA | DIGITAL ZOOM | AUTO FOCUS | 2D/3D NOISE REDUCTION | HDMI | USB 3.0 | PoE / IP

- **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.
- **Support Auto Tracking / Auto Framing**
  The camera has an auto-tracking system that can follow a person no matter where they are, as long as they are with in the camera's range of motion.
- **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.
- **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.
- **Multiple & Complete Interfaces** Support 4K video output via USB 3.0 and network 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.
- **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

PTZ	
Horizontal FOV	60° ~ 3.5°
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°

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

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.

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
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