

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° ~ 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° |

| 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 |