

ACCIPITER ACZ20X 4K

4K60 Ultra HD PTZ Camera



4K UHD 60FPS



20X Optical Zoom



POE



USB3.0+HDMI+LAN+SDI



NDI|HX3 optional



Auto Framing



AI Tracking



Gesture Recognition



Multi-installation Methods



FreeD

OVERVIEW

The ACZ20X 4K is specifically designed for the professional market, offering top-notch quality and performance with its large 1/2.5" sensor, to deliver crystal clear images with stunning detail. The 20X optical zoom with wide angle field of view allows for close-up shots without sacrificing image quality, making it perfect for capturing every moment with precision. It also boasts a sturdy and smooth robotics mechanism to ensure seamless movement and precise positioning, giving you the flexibility to capture the perfect shot every time. Whether you're broadcasting a live event, conducting a conference, streaming live content, or recording a podcast, the ACZ20X 4K is the perfect companion for any professional video capture.

KEY FEATURES

- **4K Ultra HD Resolution:** The new generation of SONY 1/2.5-inch high-quality CMOS sensor supports up to 4K60 ultra-high-definition resolution for broadcasting and image output, making it suitable for recording in larger scenes.
- **20x optional optical zoom lens:** The device features a 60.05° field of view and utilizes a high-quality telephoto lens, offering a 20x optical zoom and supporting 16x digital zoom.
- **USB3.0+HDMI+LAN+3G-SDI Abundant Outputs for Rich Application Scenarios:** compatible with all current mainstream video output interfaces. HDMI, USB3.0, and LAN support 4K60 resolution output, while 3G-SDI supports 1080p60 resolution output. All interfaces can output simultaneously.
- **Low Light:** brand-new CMOS image sensor features an ultra-high S/N Ratio, which effectively reduces image noise in low-light conditions. By applying both 2D and 3D Digital Noise Reduction simultaneously, it significantly minimizes image noise. Even in ultra-low light conditions, the frame remains clean and clear, with the S/N Ratio of the image exceeding 50dB.
- **IR Pass-through:** In addition to receiving signals from its dedicated remote control, it can also receive signals from users' infrared remote controls and transmit them to the video conferencing terminal through the VISCA IN port.
- **Multiple Video Compression Standards:** Different interfaces support YUY2, H.265, MJPG, H.264 multiple video compression formats.
- **Multiple Network Protocols:** Supports ONVIF, SRT, RTSP, RTMP, FreeD and NDI®|HX3 (optional) protocols, Support automatic identification protocol.
- **Multiple Control Protocols:** Support VISCA (VISCA Over IP), PELCO P/D, NDI® (optional) protocol, and automatically identifies protocols.
- **New generation AI humanoid + face recognition tracking algorithm:** control through five types of gestures, such as activating/deactivating intelligent tracking and automatic framing, switching tracked targets using gestures, customizing tracking sizes, and zooming in/out the lens through gesture control. Supports intelligent tracking, automatic framing, and gesture recognition functions.
- **Multi-installation Methods:** Wall mounting, desktop or ceiling mounting.

TECHNICAL SPECIFICATIONS

Image Parameters	
Resolution	HDMI: 4K60/59.94/50/30/29.97/25, 1080p60/59.94/50/30/29.97/25,1080i60/59.94/50, 720p60/50 3G-SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50
Image Sensor	SONY 1/2.5" CMOS
Pixels	8.50 Megapixels, 8.29 Effective Megapixels
Scan Mode	Line by line
Lens	20X Optical Zoom, f=5.05m(W)~91.49mm(T),F1.8~F2.9
Digital Zoom	16X
Horizontal View Angle	60.05°(W)~3.45°(T)
Vertical View Angle	35.07°(W)~1.96°(T)
Focus System	Auto, Manual

Shutter Speed	1/50s ~ 1/10000s
Minimum Illumination	0.1Lux
Exposure	Auto, Manual, Iris Priority, Shutter Priority, Brightness priority
White Balance	Auto, Indoor, Outdoor, Keying, Auto Tracking
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB
Pan/Tilt	
Pan Angle	355°
Tilt Angle	-30°~+90°
Pan Speed	1°~80°/s
Tilt Speed	1°~60°/s
Preset Positions	9 preset positions by IR remote controller, 255 preset positions by joystick controller
Preset Accuracy	0.1°±10%
Flip	Support
Image Freeze	Support
POE	802.3af
AI	
Intelligent tracking	Support
Auto Framing	Support
Gesture Recognition	Support
USB	
Protocol	UVC 1.1, UAC1.0
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG
Resolution	MJPEG: 3840*2160, 2560*1440, 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 YUY2: 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240
Frame Rate	Max.60
UVC Control	Support
LAN	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, FreeD, NDI®HX3 (Optional)
Video Compression	H.264, H.265

Code Stream	Main code stream*1, Sub code stream*1
Main Stream Resolution	3840*2160, 1920*1080, 1280*720
Sub Stream Resolution	640*480, 640*360, 352*288, 320*240, 176*144
Bitrate Control	VBR, CBR
Audio	
Audio Compression	AAC
Audio Bit Rate	48K and 44.1K
Interface	
HDMI Interface	1 Line, HDMI: Version 2.0
SDI Interface	1 Line, 3G-SDI
USB Interface	1 Line, USB3.0, Type-B Socket
Network Interface	1 Line, RJ45: 1000M adaptive Ethernet port
Audio Interface	1 Line, Line In, 3.5mm
Serial Interface	1 Line, RS232 IN/OUT: 8-Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol.
	1 Line, RS422/485: 9-Core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol.
Power Interface	JEITA RC-5320A Type 4
General Specifications	
Tally Light	Support
Input Voltage	DC 12V
Input Current	Max.2.0A
Power Consumption	Max.24W
Operating Temperature	0~40°C
Storage Temperature	-10~60°C
Color	Black, White (Optional)
Dimension	(W)134*(D)174*(H)191mm
Weight	1.2kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, RS-232C Cable, Ceiling bracket, Wall bracket(Optional)