

ACCIPITER ACZ20X

HD Video Conference Camera



1080P 60FPS



20X Optical Zoom



USB 3.0+HDMI+LAN+SDI



NDI®|HX OPTIONAL



AI Tracking+ Auto Framing



Multi-installation Methods



355° Rotation



255 Preset Positions

OVERVIEW

The ACZ20X is specifically designed for the professional market, offering top-notch quality and performance with its large 1/2.8" 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 is the perfect companion for any professional video capture.

KEY FEATURES

- **1080P HD Resolution:** Equipped with a SONY 1/2.8" Progressive CMOS sensor, it offers 2.07 Megapixels, supporting up to 1920x1080 resolution at 60fps.
- **Abundant Outputs for Rich Application Scenarios:** Supports simultaneous HDMI, 3G-SDI, LAN, and USB3.0 FHD 1080P output.
- **Ultra-High Frame Rate:** Video output frame rate can reach 1080P 60fps.
- **Optical Zoom Can be Chose:** 20x optical zoom+16x digital zoom
- **Low Light:** The new CMOS sensor and 2D&3D Digital Noise Reduction effectively minimize image noise, even in ultra-low light, maintaining a clean and clear image with an S/N Ratio higher than 55dB.
- **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 various video compression formats, including YUY2, MJPG, H.265, and H.264.
- **Multiple Network Protocols:** Support SRT, RTSP, RTMP, RTMPS and NDI®|HX2 (optional), and other network protocols.
- **Multiple Control Protocols:** Supports VISCA (including VISCA Over IP), PELCO P/D, Onvif, and NDI® (optional) control protocols, with automatic identification.
- **New generation AI human tracking algorithm:** Features AI tracking and Auto-framing functions.
(*Note: With AI intelligent tracking and automatic framing functions enabled, USB 3.0+HDMI+LAN support 1080p60 resolution output, 3G-SDI has no video output, and all three interfaces can output simultaneously.)
- **Various Installation Methods:** Supports desktop, ceiling, and wall installation.

TECHNICAL SPECIFICATIONS

Image Parameters	
Resolution	HDMI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50
Image Sensor	SONY 1/2.8" CMOS
Pixels	3.10 Megapixels, 2.07 Effective Megapixels
Scan Mode	Line by line
Lens	20X Optical Zoom, f=5.2m(W)~104mm(T), F1.55~F3.13
Digital Zoom	16X
Horizontal View Angle	58.7°(W)~3.2°(T)
Vertical View Angle	32.2°(W)~1.8°(T)
Focus System	Auto, Manual
Shutter Speed	1/50s ~ 1/10000s
Minimum Illumination	0.1 Lux @ (F1.5, AGC ON)
Exposure	Auto, Manual, Iris Priority, Shutter Priority, Brightness priority

White Balance	Auto, Indoor, Outdoor, One Push, Auto Tracking, Manual
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 or PC
Preset Accuracy	0.1°±10%
Flip	Support
Image Freeze	Support
POE	802.3af (Optional)
AI	
AI Tracking	Support
Auto Framing	Support
Tracking Size	Support
Tracking Sensitivity	Support
AI Guard Position	Support
USB	
Protocol	UVC 1.1
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG
Resolution	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, NDI®HX2 (Optional)
Video Compression	H.264, H.265
Code Stream	Main code stream*1, Sub code stream*1
Main Stream Resolution	1920*1080, 1280*960, 1280*720, 720*576, 720*480, 640*480
Sub Stream Resolution	640*480, 640*360, 480*360, 352*288, 320*240, 176*144

Bitrate Control	VBR, CBR
Audio	
Audio Compression	AAC
Audio Bit Rate	128kbps
Interface	
HDMI Interface	1 Line, HDMI: Version 1.4
SDI Interface	1 Line, 3G-SDI
USB Interface	1 Line, USB3.0, Type-B Socket
Network Interface	1 Line, RJ45: 10M/100M 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: 5-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.1.5A
Power Consumption	Max.18W
Operating Temperature	0~40℃
Storage Temperature	-10~60℃
Color	Black, White (Optional)
Dimension	(W)134*(D)174*(H)187mm
Weight	1.2kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, RS-232C Cable, Ceiling bracket, Wall bracket (Optional)