

RAPPA

**FOCUS ON
WHAT
MATTERS**



A-TC20 NoirCam

PTZ NETWORK CAMERA

KEY FEATURES:

**Multiple
Outputs**

NDI|HX2, NDI|HX3, HDMI,
3G-SDI, USB, network audio,
video, and control

**20x Optical
Zoom**

Crystal-clear image
through every interface

**Powerful
Streaming**

Dual RTMP streaming and
SRT caller/listener support

PRODUCT ARCHITECTURE



Powerful and independent

The A-TC20 is a powerful, complete and standalone professional camera that can capture pristine quality images, stream with audio to two RTMP-based platforms, and that also supports SRT in Caller and Listener modes – all without software, programming, extra devices or licences.

Crisp image with strong magnification

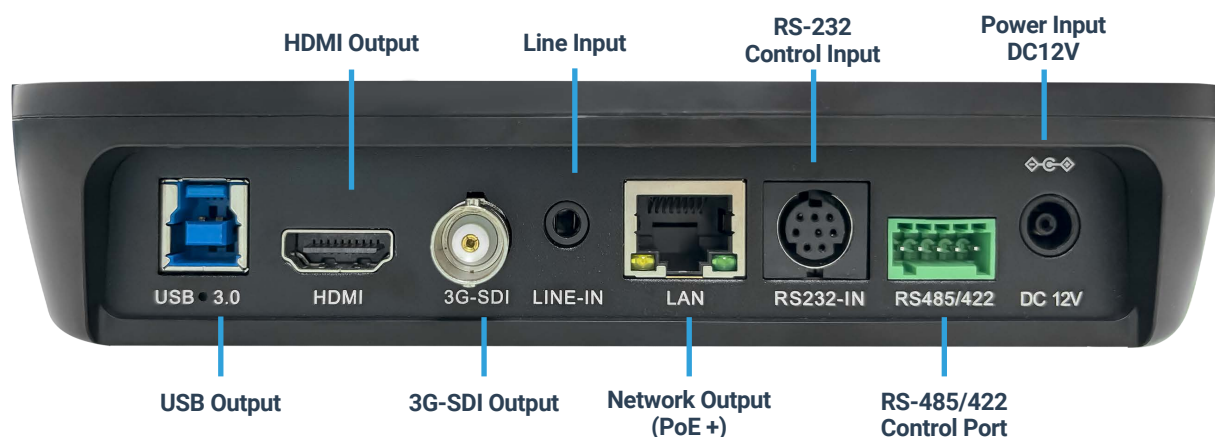
The A-TC20 offers exceptionally sharp 1080p60 video and a powerful 20x optical zoom, making it the perfect choice for lecture halls, large meeting rooms, auditoriums and other environments where accuracy and image clarity matter. This video quality carries over on all of its outputs, making A-TC20 ideally suited for hybrid conferencing and multi-platform media workflows.

Wide compatibility and connectivity options

The A-TC20 supports a wide range of interfaces and protocols, allowing seamless setup with AREC Media Stations, videoconferencing platforms, third-party production equipment and other AV systems. It operates as a plug-and-play UVC device that does not require any additional drivers when used with conferencing and streaming software such as Teams, Zoom, WebEx, OBS and vMix. In addition, HDMI and 3G-SDI outputs are available for connection to encoders, multiviewers and other AV hardware, while network protocols including SRT, RTSP, RTMP and NDI|HX provide flexibility across both software- and hardware-based workflows. PTZ control is supported via PELCO-D, PELCO-P, VISCA, VISCA-over-IP, ONVIF Profile S and NDI|HX, ensuring compatibility with both legacy and modern control environments.

- Standalone capturing and streaming
- 1/2.8" CMOS sensor
- H.264, H.265, MJPEG, YUY2, NV12 video compression
- RTSP, RTMP, RTMPS, SRT, NDI|HX2, NDI|HX3 protocols support
- PELCO-D, PELCO-P, VISCA, VISCA-over-IP, ONVIF Profile S, NDI PTZ control

CONNECTION DIAGRAM



TECHNICAL SPECIFICATIONS

Camera Parameters			
Image sensor	1/2.8" CMOS, 2.14MP		
Focal length	f=4.7mm~94mm		
Iris value	F1.6~F3.5		
Field of view	Horizontal: 59.6° (Wide) 2.98° (Tele)	Vertical: 34.3° (Wide) 1.72° (Tele)	Diagonal: 66.7° (Wide) 3.34° (Tele)
Zoom ratio	Optical: 20x / digital: 16x		
Gain control	Auto, manual		
White balance	Auto, one push, manual, static colour temperature		
Exposure control	Auto, manual, shutter priority, aperture priority, brightness priority		
Shutter speed	1/60s~1/10000s		
Minimum illumination	50 Lux		
Other parameters	2D noise reduction, 3D noise reduction, contrast, gamma, sharpness, brightness, dynamic range compression, auto focus, aperture level, exposure compensation, backlight compensation, image flip and mirror modes		
Outputs and Streaming			
Video output interfaces	3G-SDI, HDMI, USB, Network		
Video output format	HDMI: 1080p60/p59.94/p50/p30/p29.97/p25, 720p60/p59.94/p50/p30/p25, 480p60/p50/p30/p25 3G-SDI: 1080p60/p59.94/p50/p30/p29.97/p25, 720p60/p59.94/p50/p30/p25 USB: H.264/H.265/MJPEG video resolution: 1080p60/p50/p30/p25, 720p60/p50/p30/p25, 480p60/p50/p30/p25, 360p60/p50/p30/p25 YUY2/NV12 video resolution: 1080p30/p25, 720p30/p25, 480p30/p25, 360p30/p25 Network: 1080p60/p50/p30/p25, 720p60/p50/p30/p25, 480p60/p50p30/p25, 360p60/p50/p30/p25		
Image compression	Network: H.264, H.265 USB: H.264, H.265, MJPEG, YUY2, NV12		
Streaming	Dual RTMP streaming SRT streaming (Caller and Listener modes)		
Video protocols	RTSP, RTMP, RTMPS, ONVIF Profile S, SRT, NDI HX2, NDI HX3		

TECHNICAL SPECIFICATIONS

PTZ Parameters	
Pan angle	-170°~+170°
Tilt angle	-30°~+90°
Pan speed	0.1°/S~120°/S
Tilt speed	0.1°/S~90°/S
Number of presets	256
Audio and Control	
Audio input	1x 3.5mm Line input
Audio output	USB, HDMI, Network, 3G-SDI
Audio compression	AAC, G.711
Control interfaces	RS-232 input and RS-232 output, Network, IR remote
Control protocols	PELCO-D, PELCO-P, VISCA (supports daisy chain), VISCA-over-IP, ONVIF Profile S, NDI
General	
Temperature & humidity	Operating: 0°C~+40°C, 10%RH~90%RH Storage: -20°C~+60°C, 10%RH~95%RH
Dimensions	176mm x 137mm x 171mm (L x W x H)
Weight	1.2kg
Power supply	DC12V 1.5A PoE 802.3af
Power consumption	<15W
Accessories	QIG, power adapter, IR remote, DB9 Female to Mini-DIN 8-pin RS-232 serial cable, USB cable