RADA

FOCUS ON WHAT MATTERS IN THE HIGHEST ZOOM

A-TC30 NoirCam

AI TRACKING CAMERA

KEY **FEATURES:**

Intelligent Tracking

Out-of-the-box pan, tilt, and auto-zoom tracking

Multiple Outputs

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

30x Optical Zoom

Crystal-clear image through every interface

Pictures for reference only. Does not represent real scale of products.

PRODUCT **ARCHITECTURE**

All-in-one capturing and tracking

The A-TC30's single-lens design and built-in tracking customisation tools make it a complete and straightforward standalone solution – no software, programming, licences or extra devices required.

Bespoke tracking results

With a wide range of auto-tracking settings, the camera lets users tailor the tracking experience to their needs. Adjustable parameters include tracking height, tilt, sensitivity, speed, and return delay, along with selectable views such as upper body, half body, or full body. Once a target is locked, the camera maintains focus and will not be distracted by other moving subjects, ensuring stable and reliable tracking.

Crisp image with strong magnification

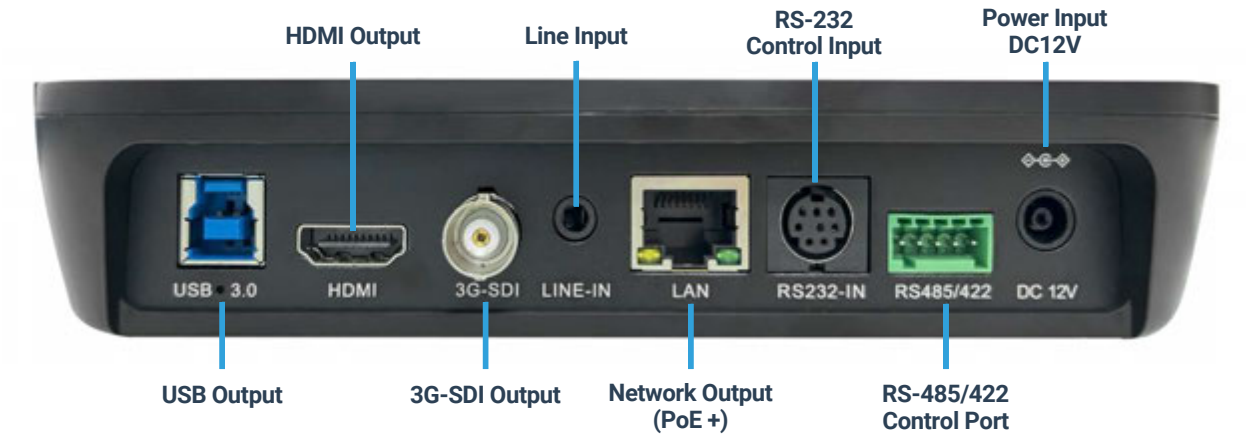
The A-TC30 delivers strikingly clear 1080p60 image quality with an impressive 30x optical zoom, making it ideal for lecture halls, large meeting rooms, auditoriums, and other spaces where precision and clarity are essential. It provides consistent image quality across all outputs simultaneously, making it an excellent choice for multi-platform media production and hybrid conferencing.

Wide compatibility and connectivity options

The A-TC30 offers a broad range of interfaces and protocols, making it easy to connect to AREC Media Stations, videoconferencing platforms, third-party production devices, and other AV equipment. It works straight out of the box as a UVC device, requiring no external drivers to function with conferencing and broadcasting software such as Teams, Zoom, WebEx, OBS, and vMix. The camera also provides HDMI and 3G-SDI outputs for encoders, multiviewers, and other AV hardware, while network protocols including SRT, RTSP, RTMP, and NDI|HX enable flexible use in both software and hardware workflows. PTZ control is supported via PELCO D, PELCO P, VISCA, VISCA-over-IP, ONVIF Profile S, and NDI|HX, ensuring full compatibility with both legacy and modern AV and control systems.

- Configurable tracking behaviour
- 1/2.8" CMOS sensor
- H.264, H.265, MJPEG, YUY2, NV12 video compression
- RTSP, RTMP, RTMPS, SRT, NDI|HX protocols support
- PELCO D, PELCO P, VISCA, VISCA-over-IP, ONVIF Profile S, NDI|HX PTZ control

CONNECTION **DIAGRAM**



TECHNICAL **SPECIFICATIONS**

Camera Parameters			
Image sensor	1/2.8" CMOS, 2.14MP		
Focal length	f=5.2mm~156mm		
Iris value	F1.6~F5		
Field of view	Horizontal: 54˚ (Wide), 2.08˚ (Tele)	Vertical: 31.46˚ (Wide), 1.18˚ (Tele)	Diagonal: 60.6° (Wide), 2.38° (Tele)
Zoom ratio	Optical: 30x / 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	1/50s~1/10000s		
Minimum illumination	50 Lux		
Other parameters	2D noise reduction, 3D noise reduction, contrast, gamma, sharpness, brightness, dynamic range compression, auto focus and configurable focus area, 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 3G-SDI: 1080p60/p59.94/p50/p29.97, 720p60/p59.94/p50 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: USB3.0: 1080p30/p25, 720p30/p25, 480p30/p25, 360p30/p25, USB2.0: 480p30/p25, 360p30/p25. Network: 1080p60/p50/p30/p25, 720p60/p50/p30/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|HX		

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
Tracking Function	
Tracking type	AI Tracking
Tracking distance	Up to 20 metres
Tracking options	Tracking height, tilt, sensitivity, speed, return delay, selectable tracking views (upper body, half body, full body), tracking target switch
Audio and Control	
Audio input	1x 3.5mm Line input
Audio output	USB, HDMI, Network, 3G-SDI
Audio compression	AAC, G.711
Tally light	Red, green, and dual colour tally light. Automatic and manual mode via VISCA, VISCA-over-IP, and the web UI of the camera
Control interfaces	RS-232, RS-485/422, Network, IR remote
Control protocols	PELCO D, PELCO P, VISCA, VISCA-over-IP, ONVIF Profile S, NDI|HX
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, RS-485 terminal block