



4K 30X 60fps Live Streaming PTZ Video Camera with Auto Tracking Function UHV-450H



- 4K60 UHD video solution
- 30x optical zoom
- Support Free-D
- Built-in auto tracking function
- NDI@HX/HDMI2.0/3G-SDI/USB-C video interface
- Embed the latest NDI @ SDK
- SRT supported
- Power over Ethernet

Feature & Benefits:

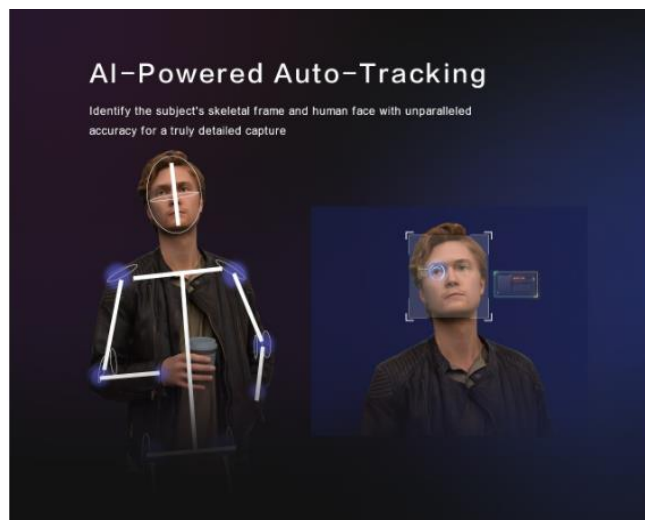


Ultra HD 4Kp60/59.94 Resolution

Equipped with advanced image processing solution and cutting-edge video camera algorithms, a Sony 1/2.8 inch sensor and high-quality lens, to output crystal clear image, max up to 4Kp60/59.94 ultra-high definition resolution

Built-in auto-tracking function

With built-in auto-tracking function, you don't need any third-party software or device, just turn it on with one click on the WebUI, matching remote control, or our control keyboard, and you can track the target accurately and smoothly without any outside interference. You can also switch the target talent, set the target area or change the target size.





12X/20X/30X Optical Zoom

It shoots with 4K 12X optical zoom lens with 80.5° FOV/4K 20X optical zoom lens with 61° or 4K 30X optical zoom lens with 60° FOV, a proprietary focusing algorithm enables fast and precise focus performance when zooming or moving, to capture every details of the scene.

Revolutionizing VR/AR: FreeD Protocol

4K Series Auto Tracking PTZ Camera are a game-changer in the ProAV industry, thanks to its cutting-edge FreeD protocol. This protocol enables precise PTZF data, empowering systems like Unreal Engine, Brainstorm, and Vizrt's Viz Virtual Studio to accurately replicate the cameras's movements. Notably, our camera is already compatible with Brainstorm's 3D software, offering a glimpse into the impressive capabilities it brings to forefront of the industry.



Full video output interface

Experience seamless versatility with NDI @HX and HDMI 2.0 outputs, achieving an impressive 4Kp60/59.94 resolution simultaneously. The 3G-SDI (both level A and level B) output reaches up to 1080p60, while the USB output takes it a step further, supporting a remarkable max resolution of up to 4K30.

Embed the latest NDI @ SDK

Newtek's NDI @ Creates a plug-and-play environment for various products and platforms in live steaming, making it possible to produce abundant and diverse live content.



Technical Specification

Model No.	UHV-450H(NDI)-AB
Sensor	1/1.8", 9MP UHD CMOS sensor
Zoom	30x optical zoom
Lens	f = 6.91mm - 214.64mm, F1.35 - F4.6
Horizontal View Angle	63°(Wide) - 2.1°(Tele)
Vertical viewing angle	34.14° - 1.12°
Diagonal viewing angle	67.08° - 2.27°

Minimum Working Distance	1.5m
S/N Ratio	≥50dB
Video Format	HDMI2.0: 3840*2160P60/59.94/50/30/29.97/25 1920*1080P60/59.94/50/30/29.97/25/24/23.98 ; 1920*1080i60/59.94/50 ; 1280*720P60/59.94/50/30/29.97/25
	NDI® HX: Main Stream: 3840*2160P15~60; 1920*1080P15~60; 1280*720P15~60; 1024*576P15~60 Sub Stream :640*360P15~30
	3G-SDI: 1920*1080P60/59.94/50/30/29.97/25/24/23.98; 1920*1080i60/59.94/50; 1280*720P60/59.94/50/30/29.97/25
	USB Type-C: NV12: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 YUVV: 1920*1080P5; 1280*720P15; 1024*576P25; 800*448P30 MJPG: 3840*2160P30; 1920*1080P60; 1280*720P60; 1024*576P60;800*448P60 H264/H265: 3840*2160P30;1920*1080P60;1280*720P60;1024*576P60; 800*448P60
Image Parameters	
Noise Reduction	2D & 3D
Minimum Lux	30x:0.5Lux(50 ire max agc,1/30,f1.8)
White Balance	Auto/Manual/Auto tracking/Push/Indoor/Outdoor/Color Temperature
Exposure	Auto/manual/shutter priority/iris priority/brightness priority
Anti-Flicker	OFF, 50Hz, 60Hz
Image Flip	Support
Mirroring	Support
Focus	Auto/Manual
Iris	Auto/Manual
Electronic-shutter	Auto/Manual
Gamma	Support
Backlight Compensation	Support
IP Steaming	
Video Encoding	H.264/H.265
Bitrate Control	Variable bitrate(VBR), Constant bitrate(CBR)
Bitrate Range	1024Kbps - 61440Kbps
Network Port Speed	1000M
Protocol	NDI® HX, SRT, HTTP, RTSP, RTMP, ONVIF, VISCA over IP, TCP, UDP, VISCA, PELCO P/D, HTML5, Webrtc, RTP Multicast
Pan/Tile Movement	
Preset	Remote controller:10; Serial port: 128; Accuracy: 0.1°
Pan Rotation Angle	-170° - +170°
Tilt Rotation Angle	-30° - +90°
Pan Rotation Speed	30x :0.1° - 80°/s
Tilt Rotation Speed	30x :0.1° - 60°/s
I/O Interface	
Control Port	RS232(RS485), NDI® HX
Video Port	NDI® HX, HDMI2.0, 3G-SDI, USB Type-C
Audio Port	Dual 3.5mm linear inputs
Tally	Support
Tilt Rotation Speed	Support
Daisy Chain	Support
General	
Input Voltage	DC12V, POE+(IEEE802.3at)
Operating Temperature	-10℃~ 50℃
Operating Humidity	≤80%
Color	Black/White
Dimension (L×W×H)	30x: 220mm×190mm×193.5mm
Net Weight	30x: 1.9kg(4.2LBS)
Product specification are subject to change without notice	