WIN SAFE®

4K 60fps Live Streaming PTZ Video Camera UHV-450H(NDI)-A

UHV-450H-NDI-A is a truly 4K60 30X PTZ camera, integrated with latest NDI ® SDK, equipped with American most advanced image processing solution, Sony 1/1.8 inch 12MP sensor, truly 4K 30x lens, to output 4K60 sharp image.

It has smooth PTZ mechanical design, to make accurate pan,tilt, zoom movement, NDI®|HX, HDMI, SDI and USB3.0 output 4K UHD and Full HD resolution, ideal for professional live steaming application.

Feature & Benefits:

4K&HD Resolution

UHV-450H(NDI)-A features a state-of-the art image processor, Sony 1/1.8" inch 12-megapixel sensor, and outputs an ultra-high-definition video resolution of 3840*2160p59.94/60 to display clear, sharp and lifelike images to users, even in low-light working environments

Embed the latest NDI®5 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

30X Optical Zoom/7X electronic

It shoots with a 4K 30x optical zoom lens with a 60 degree field of view, and a proprietary focusing algorithm enable fast and precise focus performance when zooming or moving, to capture every detail of the scene.

Smooth and Quiet PTZ Movement

Perform real-time pan, tilt and zoom camera movements with motor-driven PTZ camera control and configurable preset positions. Focus, white balance, exposure, iris can be adjusted automatically or manually. 128 presets supported; Exposure parameter and white balance parameter can be saved in presets(in manual mode).

SRT Supported

SRT enables the delivery of high-quality and secure, low-latency video across the public Internet. SRT optimizes steaming performance across unpredictable networks with secure streams and easy firewall traversal, bringing the best quality live video over the worst networks

RTMP

RTMP stands for Real-Time messaging protocol. This protocol facilitates the transmission of audio, video and data in real-time. It is a key component of live steaming technology because of its ability to maintain low-latency connections RTMP/RTMPS to live-steaming to YouTube Live, Facebook live and other platform directly.

3G-SDI/HDMI/USB2.0 Available

In addtion to NDI®|HX, 3G-SDI, HDMI and USB2.0 output image simultaneously as well 3G-SDI and HDMI are for conventional video production workflow, USB output can be used as a high-end webcam
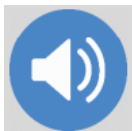
Power over Ethernet

A single cable to realize power, video,control and Tally for the camera

Program and Preview Tally

The indicator light can work as Tally when receive tally notification from the NDI® devices, to show the live is on or off
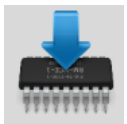
High Quality Audio

Built in professional level audio for line in input

Intuitive WebUI for Preview and Control

With intuitive WebUI, you can preview the video and operate the control of the camera via it easily. It can be opened in different browsers directly without any plug-in.
And the WebUI supports multiple language: English, Chinese, Russian and Korea.

Pain-Free Firmware Upgrade

Firmware is upgraded via WebUI with a single file, following the guideline by successive"click", then it works

Technical Specification

Model No.	UHV-450H(NDI)-A	
Video Format	HDMI2.0	3840*2160P60/50/30/25/29.97/24/23.98；1920*1080P60/50/30/25/59.94/29.97/24/23.98 1920*1080I60/50/59.94；1280*720P60/50/30/25/59.94/29.97
	IP(NDI)	Main Stream: 3840*2160@3-60；1920*1080@3-60；1280*720@3-60；1024*576@3-60 Sub Steam: 1280*720@3-60；1024*576@3-60；640*360@3-60
	3G-SDI	1920*1080P60/50/30/20/59.94/29.97/24/23.98；1920*1080I@60/50/59.94；1280*720P@60/50/30/25/59.94/29.97
	USB2.0(Bulk)	NV12: 1024*576p24; 800*480P30 YUYV: 1024*576p18; 800*480P27 MJPG: 3840*2160P30/25；1920*1080P60/50/30/25；1280*720P60/50；1024*276P60/50；800*480P60/50 H.264/H.265: 3840*2160P60/50/30/25；1920*1080P60/50/30/25；1280*720P60/50；1024*576P50；800*400P60/50/30
Video Interface	HDMI2.0, 3G-SDI, IP(NDI), USB2.0	
Audio Interface	Dual 3.5mm linear inputs	
Sensor	Sony 1/1.8" high quality, 12MP UHD CMOS sensor	
Lens	6.91 - 214.64mm, F1.35-4.6, Viewing angle: 59°(Wide) - 1.98°(Tele)	
Pan/Tilt Rotation Range	Pan:±170°；Tilt：-30°~+90°，Up-side down supported	
Pan/Tilt Rotation Speed	Pan：0.1°-120°/s；Tilt：0.1°-80°/s	
Preset	0 via remote controller，128 via serial，accuracy：0.1°	
Control Port	RS232, RS422, RS485, NDI ®|HXRJ45 (VISCA over IP)、USB2.0(UVC1.1)	
Network Port Speed	1000M	
Encode Standard	H.264/H.265	
Bitrate Control	Variable Bitrate, Constant Bitrate	
Video Bitrate	1024Kbps~16384Kbps	
Supported Protocol	TCP/IP，NDI|HX, HTTP，RTSP，DHCP，RTMP，ONVIF，VISCA over IP(TCP&UDP)，HTML5，VISCA，PELCO P/D	
POE+	Supported	
Daisy Chain	Supported	
Min. Lux	0.1Lux	
White Balance	Auto/Manual/Auto Tracking/One Push/Indoor/Outdoor	
Exposure	Auto/manual/shutter priority/iris priority/brightness priority	
Focue/Iris/Shutter	Auto Manual	
Gamma/WDR/Backlight compensation	Supported	
2D/3D noise reduction	Supported	
Anti-Flicker	OFF/50Hz/60Hz	
Pan/Tilt Flipping	Supported	
Power	DC12V/POE+(IEEE802.3at)	
Color	Black/White	

Application

House of Worship	Classroom	Broadcast	Legislative
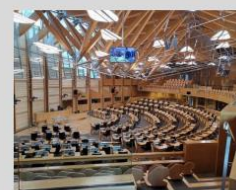
※※※Product specification are subject to change without notice ※※※