

VLOOP 12U (NDI)

NDI®|HX 4K Live Streaming PTZ Video Camera



NDI®|HX

PoE

4K
UHD

12X
Zoom

Multi
interface

Wide
View Angle

Tenveo Vloop 12U(NDI) is equipped with latest NDI®HX SDK, POE, USB3.0, Sony Sensor, truly 4K Lens, 12X optical zoom, and an Ultra-HD image system. It delivers sharp video, outstanding color, and exceptional optical accuracy. Its built-in AI technology optimizes light balance to emphasize faces and render natural-looking skin tones even in dim or backlight conditions. In addition, 12X optical zoom with Wide Horizontal Angle enables VLoop 12U to easily meet the needs of medium to large-sized meeting rooms.

4K Ultra HD, extraordinary clear and realistic video conferencing experience

Tenveo VLoop 12U (NDI) adopts Sony IMX415 1/2.8" CMOS Sensor and 4K Ultra HD imaging system. That's why even on large-screen TVs, images delivered by it are still realistic, not pixelated. 4K, 8.29 megapixel and Sony Sensor help you enjoy high-quality video conferences and further enhance team collaboration.



12X Optical Zoom, more image details without losing quality

With 12X optical zoom, Tenveo Vloop 12U (NDI) delivers you a video image filled with details, even if you zoom in to examine the details. The image is as seen by eyes without distortion.

Multiple-interface, more flexible personalized options for you

Aligning with USB3.0, HDMI, and RJ45, Tenveo Vloop 12U (NDI) brings great flexibility to video conferencing options. USB 3.0 output offers a transfer rate that is 10 times faster than USB2.0, so this camera could greatly improve the meeting experience and avoid video freezes. If you want to use large-screen TVs, the VLoop 12U (NDI) also has HDMI ports for you to choose.



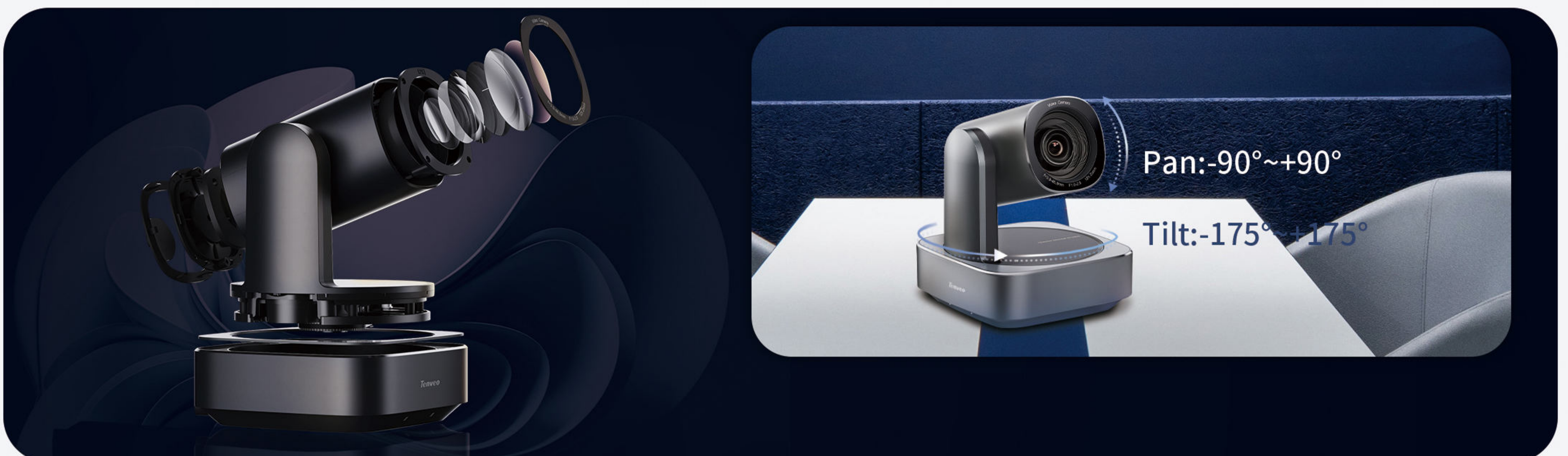
Embed the Latest NDI® HX and POE. Zero-latency and perfect for online live-streaming (RTMP, RTSP)

With NDI technology, efficient, high-quality transmission becomes a reality. NDI can also help to make your live video production workflow in the TV studio easier and more flexible due to its low-latency feature. RTMP and RTSP enables your live-streaming to YouTube Live, Facebook, Instagram, and other platforms smooth.



HD wide-angle lens presents a wider and clearer world

Tenveo Vloop 12U (NDI) is equipped with lens of wide angle up to 70 degrees, which means the camera could cover a wide range and provides a spectacular view. It will surprise you with its quiet and smooth rotation (tilt rotation: $\pm 90^\circ$, pan rotation: $\pm 175^\circ$).



Model No.	VL12U
Image Sensor	Sony IMX415 1/2.8" CMOS
Effective Pixels	8.29MP, 16:9
Video Format	HDMI(4KP@30/25fps,1080P@60/50/30/25fps,720P@60/50/30/25fps); USB3.0(3840*2160P@30fps,2560*1440P@30fps,1920*1080P@30fps,1280*720P@30fps,640*480P@30fps,320*240P@30fps;YUY2/NV12/H.264/H.265/MJPEG)
Lens	f=3.9-46.8mm
Aperture	F1.6 ~ F2.8
Optical Zoom	12x zoom
Horizontal Angle	70.82°(W)-6.48°(T)
Vertical Angle	47.72°(W)-73.66°(T)
Diagonal Angle	78.58°(W)-7.42°(T)
Backlight Compensation	Support
SNR	>50dB
Focus	Auto / Manual
Digital Noise Reduction	2D & 3D Noise Reduction
Exposure	Auto / Manual
I / O Interface	
Video Interfaces	HDMI, TYPE-C, RJ45
Video Compression Format	H.264, H.265, MJPG, YUY2
LAN	10M/100M adaptive Ethernet port; Support POE IEEE802.3af
Network Protocol	NDI HX2,RTSP, RTMP, ONVIF, GB28181; Support VISCA Over IP
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 38400/9600/4800/2400
Control Interface	RS232 (input only), RS485, TYPE-C(UVC1.1), RJ45
PTZ Parameter	
Pan/Tilt Rotation	±175°, -90° ~ +90°
Pan Control Speed	0.1 -80°/sec
Tilt Control Speed	0.1 -60°/sec
Preset Number	User can set up to 255 presets (10 presets by IR remote)
General Parameter	
Operation Systems	Windows 7, Windows 8.1, Windows 10, Windows 11; Android, Mac OS™
Input Voltage	DC 12V
Input Current	2.0A (Max.)
Power Consumption	13W (Max.)
Store Temperature	-10℃ ~ +60℃
Store Humidity	20% ~ 90%
Working Temperature	-10℃ ~ +50℃
Working Humidity	20% ~ 80%
Dimension (W*H*D)	171.6*192.6*171.6mm/ 260*217*197mm (before/ after packing)
N.W. / G.W.	1.35kg/ 2.05kg (Net/ Gross weight)
Accessory	1 x Camera; 1 x USB Cable; 1 x Power Adapter; 1x IR remote control; 1 x
Mfg. Warranty	3 Years standard Parts & Labor warranty

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