

# VLOOP 12U

4K Live Streaming PTZ Video Camera



**4K  
UHD**



**Multi  
interface**

**Wide  
View Angle**

Tenveo Vloop 12U is equipped with, 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

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Tenveo VLoop 12U 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

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With 12X optical zoom, Tenveo Vloop 12U 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 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 also has HDMI ports for you to choose.



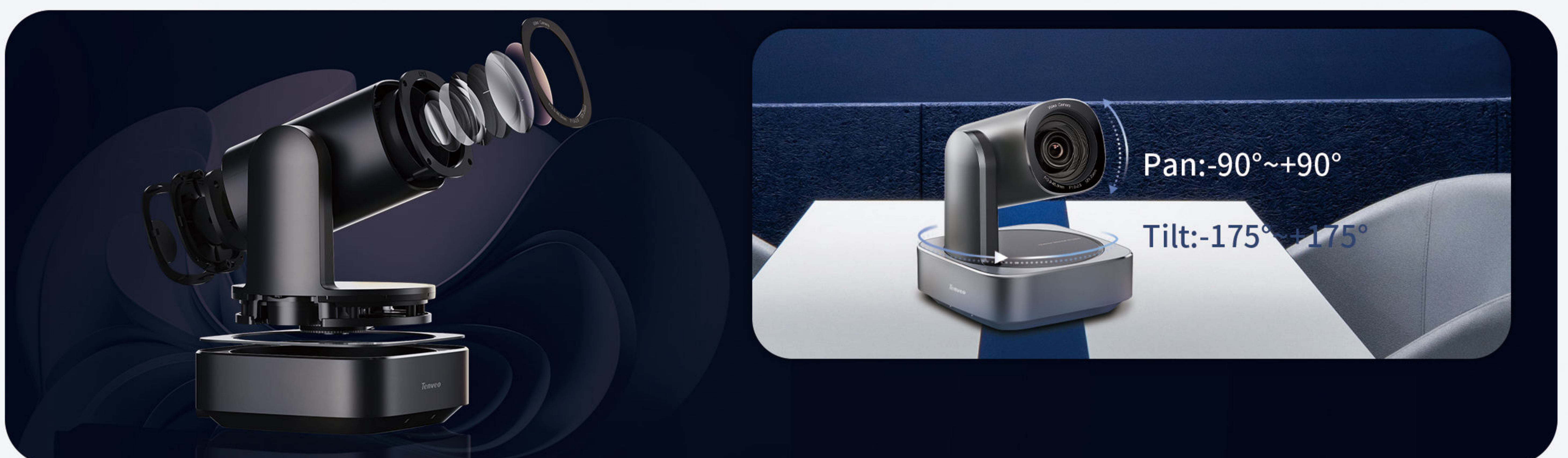
## Embed the Latest POE. Zero-latency and perfect for online live-streaming (RTMP, RTSP)

The RJ45 output of the VLoop 12U supports not only video live streaming via RTMP, RTSP protocol, but also PoE function. Remote conferencing can be realized quickly with just one Ethernet cable. Get rid of your troubles of tangled cables and help to improve your work efficiency.



## HD wide-angle lens presents a wider and clearer world

Tenveo Vloop 12U 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:  $\pm 175^\circ$ ).



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## Camera

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Model No.	TEVO-VL12U
Image Sensor	Sony IMX415 1/2.8" CMOS
Effective Pixels	8.29MP, 16:9
Lens	f=3.9- 46.8mm
Aperture	F1.6 ~ F9.6
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)。
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

Note:learn more about VL series:VL10N(NDI,10X, 1080P@60fps);VL20N(NDI,20X, 1080P@60fps)

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## General Parameter

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Operation Systems	Windows 7, Windows 8.1, Windows 10,Windows 11, Android, Mac OS™ 10.10 or higher, Linux (Require to support UVC.)
Input Voltage	DC 12V
Input Current	1.0A (Max.)
Power Consumption	13W (Max.)
Store Temperature	-10°C ~ +60°C
Store Humidity	20% ~ 90%
Working Temperature	-10°C ~ +50°C
Working Humidity	20% ~ 80%
Dimension (W*H*D)	171.6*192.6*171.6mm/260*217*197mm (before / after packing)
N.W. / G.W	1.43kg/2.096kg (Net / Gross weight)
Accessory	1xCamera; 1xUSB Cable; 1xPower Adapter; 1xWall Mount; 1xManual
Mfg. Warranty	3 Years Parts & Labor

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## PTZ Parameter

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Pan/Tilt Rotation	±175°, -90° ~ +90°
Pan Control Speed	0.1 -80°/ sec
Tilt Control Speed	0.1-60°/ sec
Preset Number	255 presets by Pelco-D,32 presets by Pelco-P, 7 presets by Visca (10 presets by remote controller)
SNR	>50dB
Focus	Auto / Manual

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## I / O Interface

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Video Interfaces	HDMI, USB3.0
Video Compression Format	H.264, H.265, MJPG, YUY2, NV12
LAN	10M/100M adaptive Ethernet port, Support POE IEEE802.3af
Network Protocol	RTSP, RTMP, ONVIF, GB28181; Support VISCA Over IP
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 9600/4800/38400/2400
Control Interface	RS-232 (input & output), RS-485, TYPE-C(UVC1.1)
Digital Noise Reduction	2D & 3D Noise Reduction
Exposure	Auto / Manual

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