

12x/20x/30x AI Tracking Camera

# TENVEO VX SERIES

4K/1080P Clarity PTZ Conference Camera



**AI**  
Auto-tracking

**4K**  
30FPS

**12/20X/30X**  
Optical Zoom

**NDI|HX2**

**Multi**  
Network  
Protocols

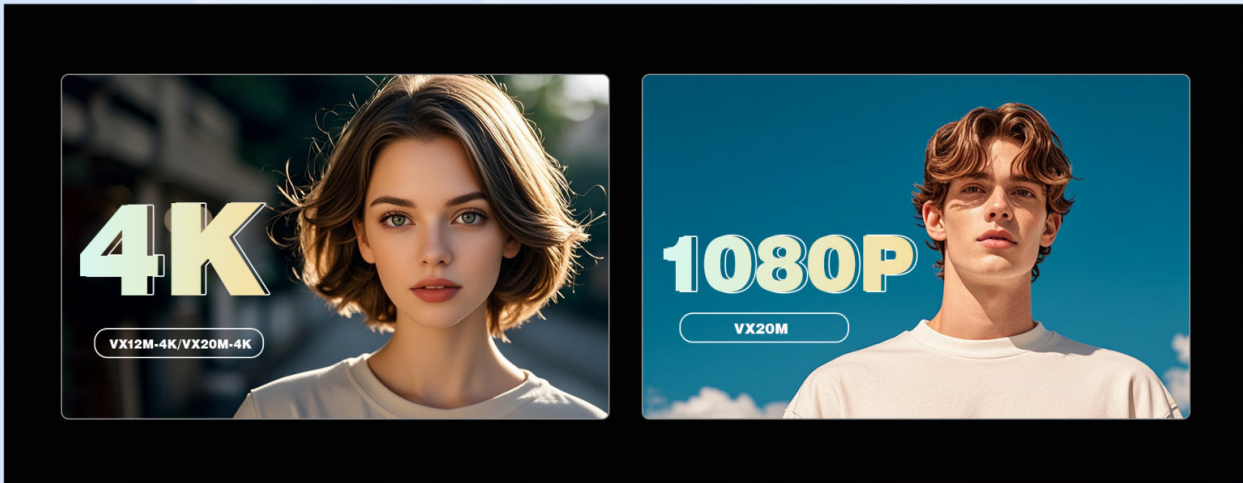
**USB+HDMI**  
**+RJ45+SDI**

Tenveo VX series camera is a professional-grade FHD/UHD PTZ camera featuring Sony sensor and 12x/20x/30x optical zoom for crystal-clear imaging in any environment. With advanced AI auto-tracking that maintains perfect framing of presenters, plus smooth PTZ operation, comprehensive I/O options, and multi-protocol support, the 4k camera integrates effortlessly with your workflow. Perfect for education, meetings, live streaming, and broadcasting, VX camera offers high-performance video, intelligent automation, and broad compatibility.

## Ultra HD 4K Clarity with 12x/20x optical zoom

The VX12M-4K/VX20M-4K features a Sony 1/2.8" CMOS sensor with 8.29MP resolution, providing true 4K clarity, while the VX20M and VX30M offers 2.07MP for sharp 1080p imaging—both ensuring accurate color reproduction and exceptional detail.

With 20x or 30x optical zoom, these cameras excel in large classrooms, conference halls, and live events by bringing distant subjects into clear focus.



## AI-Powered Auto Tracking

With AI-powered auto tracking and auto framing, VX series camera intelligently detects and follows the presenter's movement, keeping them perfectly centered in the frame without the need for manual camera control.



## Precision Engineered Pan-Tilt Control

Featuring industrial-grade motors and ultra-fine stepping, Tenveo VX camera offers exceptionally smooth and quiet pan/tilt performance. Whether executing fast repositioning or slow motion, control with this AI Tracking camera is intuitive and precise. Up to 255 position presets(10 presets by IR remote) allow the camera rapidly switching in any professional setting.



## Rich I/O & Protocols for Flexible Integration

VX camera supports a comprehensive range of interfaces and streaming protocols, making integration into existing systems effortless.

--Video Outputs: HDMI, USB 3.0, SDI, RJ45(Support PoE+)

--Audio: Line in/out

--Streaming Protocols: RTSP, RTMP, SRT, NDI®|HX2

--Control Interfaces: RS232(input/output), RS485,USB3.0 (UVC1.1), RJ45

--Control Protocols: VISCA, Pelco-D/P, ONVIF, VISCA over IP, NDI

Whether for live streaming, remote collaboration, or system integration, Tenveo VX Cameras adapt to your environment effortlessly.



## Broad Software & System Compatibility

Engineered for modern workflows, VX camera supports Windows 10/11, macOS 10.10+, Linux, and Android systems with UVC plug-and-play compatibility. From video conferencing platforms to live broadcasting software, this 12x/20x optical zoom AI Tracking ptz camera integrates effortlessly into your preferred setup — no additional drivers needed.

Model No.	VX20M	VX30M	VX12M-4K	VX20M-4K
Image Sensor	Sony 1/2.8" CMOS	Sony 1/2.8" CMOS	Sony 1/2.8" CMOS	Sony 1/2.8" CMOS
Effective Pixels	2.07MP	2.07MP	8.29MP	8.29MP
Optical Zoom	20x optical zoom	30x optical zoom	12x optical zoom	20x optical zoom
Lens	f=4.95mm~99mm	f=4.94mm~148.4mm	f=3.4mm~40.9mm	f=4.95mm~99mm
Aperture	F1.7-F3.7	F1.3~F4.8	F1.8-F3.0	F1.7-F3.7
Horizontal Angle	51.9°~3.0°	58.1°~2.14°	67.5°~7.6°	51.9°~3.0°
Vertical Angle	39.7°~2.2°	33.8°~1.2°	40.18°~4.34°	39.7°~2.2°
Diagonal Angle	63.1°~3.7°	65.4°~2.48°	75.4°~8.76°	63.1°~3.7°
Video Format	<b>【VX20M/VX30M】</b> HDMI:1920*1080P@60/59.94/50/30/29.97/25fps, 1280*720P@60/59.94/50/30 3G-SDI:1920*1080P@60/59.94/50/30/29.97/25fps,1280*720P@60/59.94/50 USB3.0:H.264/H.265/MJPG: max to 1080P@60fps NV12/YUY2: max to 896P@60fps <b>【VX12M-4K/VX20M-4K】</b> HDMI:4KP@30/25fps,2KP@60,1080P@60/59.94/50/30/29.97/25fps, 1280*720P@60/59.94/50/30 3G-SDI:1080P@60/59.94/50/30/29.97/25fps,720P@60/59.94/50 USB3.0:H.264/H.265/MJPG: max to 2160P@30fps NV12/YUY2: max to 896P@30fps			
Video Encoding Format	H.264, H.265, MJPEG, YUY2			
Backlight Compensation	Support			
AI Support	Yes			
AI Mode	Auto Framing/Presenter Tracking			
SNR	≥50dB			
Focus	Auto / Manual			
Digital Noise Reduction	2D & 3D Noise Reduction			
Exposure	Auto / Manual			
<b>I / O Interface</b>				
Video Interfaces	HDMI, USB3.0,RJ45,SDI			
LAN	10M/100M adaptive Ethernet port; Support POE IEEE802.3af			
Video Stream	Main Stream, Sub Stream			
Main Stream Resolution	1920x1080			
Sub Stream Resolution	1280x720			
Network Protocol	RTSP、RTMP、VISCA over IP、ONVIF、SRT、NDI HX2(Optional)			
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 2400/4800/9600/38400			
Control Interface	RS232(input/output), RS485,USB3.0 (UVC1.1),RJ45			
<b>Input/Output Interface</b>				
HD Output	1xHDMI 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard			
LAN	1xRJ45:10M/100M Ethernet Interface ;Support POE IEEE802.3af			
Audio Interface	1-ch: 3.5mm Audio Interface, Line In 1-ch: 3.5mm Audio Interface, Line Out			
USB	1xUSB3.0: Type B female jack			
SDI Interface	1x3G-SDI			
Communication Interface	1xRS232 In: 8pin Min DIN, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Protocol: VISCA/Pelco-D/Pelco-P			
Power Jack	JEITA type (DC IN 12V)			

**Hotline :** 400-1080-686  
**Tel :** 0086-755-8526-1373  
**Email :** sales01@tenveo.com  
**Address :** 9th&13th Floor, Fukang Science & Technology Mansion,  
 No.7, Fukang Community, Longhua Street, Shenzhen, China

