# Tenveo VX Series

## 4K/1080P Ultra-Clear PTZ Conference Camera




**AI** Auto-tracking

**4K** 30FPS

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

**NDI|HX2**

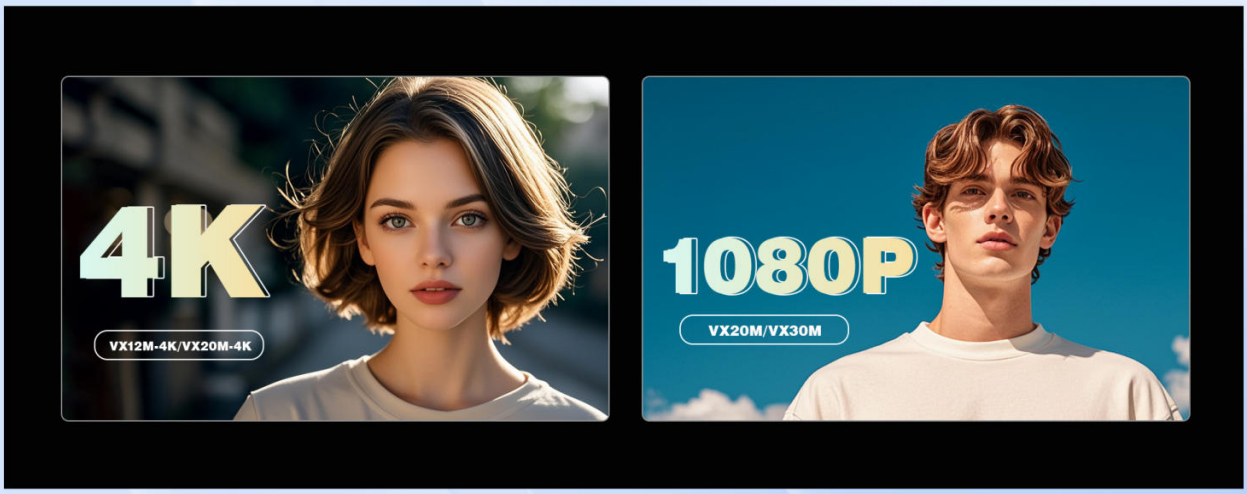
**Multi Network Protocols**

**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, the VX camera offers high-performance video, intelligent automation, and broad compatibility.

## 4K(12x/20x Zoom)&1080P(20x/30x 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/VX30M offers 2.07MP for sharp 1080p imaging-both ensuring accurate color reproduction and exceptional detail.
With 12x/20x/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, the 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(Optional)

--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/30x 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 | 【VX20M/VX30M】HDMI:1920*1080P@60/59.94/50/30/29.97/25fps, 1280*720P@60/59.94/50/30fps<br>3G-SDI:1920*1080P@60/59.94/50/30/29.97/25fps,1280*720P@60/59.94/50fps<br>USB3.0:H.264/H.265/MJPG: max to 1080P@60fps NV12/YUY2: max to 896P@60fps<br>【VX12M-4K/VX20M-4K】HDMI:4KP@30/25fps,2KP@60,1080P@60/59.94/50/30/29.97/25fps, 1280*720P@60/59.94/50/30fps<br>3G-SDI:1080P@60/59.94/50/30/29.97/25fps,720P@60/59.94/50fps<br>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 | | | |
| **I/O Interface** | | | | |
| 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 | 1920*1080 | | | |
| Sub Stream Resolution | 1280*720 | | | |
| 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 | | | |
| **Input/Output Interface** | | | | |
| HD Output | 1*HDMI/1*3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard | | | |
| LAN | 1*RJ45:10M/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 | 1*USB3.0: Type B female jack | | | |
| SDI Interface | 1*3G-SDI | | | |
| Communication Interface | 1*RS232 In: 8pin Min DIN, Protocol: VISCA/Pelco-D/Pelco-P<br>1*RS232 Out: 8pin Min DIN, Protocol: VISCA use only<br>1*RS485: 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