

# AI Auto Tracking Video Conferencing Camera

Full HD PTZ Video Conferencing Camera

Model: VCS-VC 12X PTZ | VCS-VC 20X PTZ | VCS-VC 30X PTZ



## SUMMARY

- The VCS- VC series video conferencing cameras are intelligent AI based digital video conferencing cameras, ideal for video conferencing, AI based tracking. With built in advanced ISP processing technology & algorithm, allows VCS-VC series PTZ cameras to produce vivid & realistic videos & images with uniform brightness & color depth. The AI PTZ tracking camera supports advance H.265 / H.264 video compression formats, which ensures smoother & clearer video streams, even under low bandwidth conditions.

## FEATURES

1. The VCS- VC series of PTZ video conferencing cameras are equipped with 12/20/30x optical zoom, supported by 16X digital zoom, which provides high quality 2.07 million pixels or 1080p resolution at 60 fps video output.
2. Equipped with 1 / 2.8" CMOS sensor, coupled with 2D & 3D digital noise reduction technology & AI algorithm, the VCS-VC 12X will surprise you with vivid colors & crystal clear video quality, even under changing environment & conditions.
3. The VCS-VC 12X supports Auto tracking & supports human shape tracking based on advanced AI algorithm, which combine face recognition to determine the location of people in the conference room. This AI feature, makes VCS-VC series ideal for sporting events, large conferences & class room environments.
4. With 12x /20x / 30x optical zoom options, the VCS-VC series PTZ cameras provide unrivaled flexibility for any conferencing applications.
5. The Vaxden VCS- VC Series cameras can rotate up to 350° horizontally & 180° vertically in very silent way.
6. The VCS-VC series support up to 10 preset settings through IR remote control & supports up to 255 presets to be controlled over LAN / RS 232 interface.
7. The VCS-VC series offers multiple interfaces and offer 3G SDI, HDMI, USB 3.0/ USB 2.0 & RJ-45 interfaces. It also supports POE(802.3af). The LINE IN & LINE OUT interfaces can be connected to audio devices, supporting simultaneous audio and video streaming.
8. Fully compatible with Zoom , Skype for Business, vMix & MS Teams and other online video conferencing platforms.

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## SPECIFICATIONS

Model No.	VCS-VC 12X PTZ	VCS-VC 20X PTZ	VCS-VC 30X PTZ
Sensor Effective Pixel Video Signals	1 / 2.8" CMOS Sensor 2.07MP ( 1080 x 1920 ) @ 60 FPS 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080160, 1080I59.94, 1080I50, 720P60, 720P59.94, 720P50		
Zoom Lens Aperture Horizontal Angle Vertical Angle Diagonal Angle	12x optical zoom f=3.9mm~ 47.3m F1.8~F2.8 72.29°~6.74° 43.43°~3.83° 80.71°~7.65°	20x optical zoom f=4.42mm~ 88.5mm F1.8~F2.8 64.98°~3.47° 38.41°~1.98° 72.88°~3.95°	30x optical zoom f=4.42mm~ 132.6mm F1.8~F2.8 63.7°~3.28° 37.1°~1.68° 72.5°~3.63°
Digital Zoom Video Output Signal Standard Control Interface Shutter White Balance Backlight Compensation Digital Noise Reduction Baud Rate Control Protocol USB Protocol Minimum Illumination SNR Horizontal Rotation Vertical Rotation H&V Flip Image Freeze PoE Number of Preset Preset Accuracy		16X USB 3.0, HDMI, RJ-45, SDI NTSC / PAL RS232, RS 484, USB, NET 1/30s ~ 1/10000s Auto, Indoor, Outdoor, One Push, Manual, VAR Yes 2D & 3D Digital Noise Reduction 2400/4800/9600/19200/38400/57600/115200 VISCA, Pelco-D, Pelco-P UVC 1.1 0.5 Lux @ (F1.8, AGC ON) ≥55dB 350° (±175°) 0.1°/s~ 100°/s 180° (±90°) 0.1°/s~ 80°/s Yes Yes Yes 255 0.1°	
Power Supply Power Consumption Work Temperature		DC12V 18W 0°C ~ 40°C	
HD Output	1x HDMI 1X 3G-SDI : BNC Type,		
LAN	1 x RJ 45 : 10M/100M Ethernet Interface, 5G- wireless interface ( Optional)		
Audio Interface	1-CH : 3.5mm Audio interface Line in		
USB	1x USB3.0 / USB 2.0 : Type –B Female Jack		
Communication Interface	1 x RS 232 In : 8 Pin Min DIN, Max Distance: 30m, Protocol : VISCA/Pelco-D/ Pelco-P 1 x RS 232 Out : 8Pin Min DIN, Max Distance: 30m, Protocol : VISCA network use only 1 x RS485: 2 Pin Phoenix Port , Max Distance : 1200m , Protocol : VISCA/Pelco-D/Pelco-P		
Network Protocol	NDI IHX2, SRT,TCP/IP,HTTP,RTSP,RTMP(S),ONVIF,DHCP,GB/T28181,Multicast;		
Video Encoding Format	H.264 / H.265/ MJPEG with Main Video Stream & Sub Stream		
Main & Stream Resolution	1920 x 1080 , 1280x720, 1024x575 etc	1280x720, 1024x576, 720x576 etc	
Video Bit Rate	32Kbps ~ 20480Kbps		
Frame Rate	1Fps – 60 Fps		
Audio Compression	AAC		
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps		

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