

**VHD-VX110 (4K)**  
**4K Ultra HD video conference camera**

1/1.7 inch super large sensor

[4K@60fps、HDMI2.0、12G-SDI Ultra HD interface](#)

Broadcast level image quality

	<ul style="list-style-type: none"> <li>● <b>4K Ultra HD</b> Using a new generation of SONY 1 / 1.7 inch, the largest 12.4 million pixel high-quality UHD CMOS sensor, it can provide 4K (3840x2160) ultra-high resolution high-quality images, and downwards compatibility with 1080p, 720p resolution, etc.</li> <li>● <b>HDMI 1.4/2.0 support</b> Support HDMI 1.4/2.0 version, and output uncompressed 4K original video.</li> <li>● <b>Very low latency</b> Unique patent 4K video ISP program produce lowest video delay. It is the first choice for the industry with high real-time requirement.</li> <li>● <b>High-speed interfaces</b> Support HDMI, SDI (6G-SDI, 12G-SDI optional), and can output 4K video at the same time.</li> <li>● <b>12X wide-angle lens</b> Using high-quality ultra-wide focus lens, the maximum field of view up to 82 °, optical zoom up to 12 times.</li> <li>● <b>Low Lighting</b> High quality CMOS sensor and 2D/3D noise reduction can reduce image noise.The Image is still clear and sharp even in low light enviroment, and the SNR is high more than 55dB.</li> <li>● <b>Remote control</b> Using RS232/485 interface, all the parameters of the camera can be controled remotely.</li> </ul>
<b>Camera parameters</b>	
Video System	4K@60fps(optional), 4K@59.94fps(optional), 4K@50fps(optional), 4K@30fps, 4K@29.97fps, 4K@25fps, 1080P@60fps, 1080P@59.94fps, 1080P@50fps, 1080I@60fps, 1080I@59.94fps, 1080I@50fps, 1080P@30fps, 1080P@29.97fps, 1080P@25fps, 720P@60fps, 720P@59.94fps, 720P@50fps, 720P@30fps, 720P@29.97fps, 720P@25fps
Sensor	1/1.7", CMOS, Max Effective Pixel: 1240M
Scanning Mode	Progressive
Lens	12x, f = 4.2mm ~ 50.4mm, F1.8 ~ F2.8
zoom	12x optioical zoom, 16x digital zoom
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/2s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	82.6° ~ 8°
Vertical Angle of View	51.9° ~ 4.58°
Horizontal Rotation Range	±170°
Vertical Rotation Range	±25°
Pan Speed Range	1.0° ~ 26.2°/s
Tilt Speed Range	0.8° ~ 10.0°/s
H & V Flip	support
image freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

<b>Input/Output Interface</b>	
HD Output	1xHDMI: version 1.4 or 2.0
	1xSDI: type BNC, 800mVp-p, 75Ω, SMPTE ST 2082-1 / SMPTE ST 2081-1、292M、424M standard
USB Interface	1xUSB 3.0: type B
Network	1xRJ45: 10M/100M/1000M Ethernet Interface
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, VISCA/Pelco-D/Pelco-P Protocol:
	1xRS232 Out: 8pin Min DIN, Max Distance: 30m, VISCA Protocol network used only
	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, VISCA/Pelco-D/Pelco-P Protocol
Power Jack	JEITA type (DC IN 12V)
<b>Generic Specification</b>	
Input Voltage	DC 12V
Current Consumption	2.5A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	30W (Max)
Size	240mm(W) x 173mm(D) x 193mm(H)
Net Weight	2.83Kg

