

4K Video Conference PTZ Camera		AVL-UHD620/612AS	
This PTZ Camera is a 4K@60fps cameras are equipped with a Sony CMOS sensor combined with a high-quality glass lens with 12x/20x optical zoom. Control these cameras over RS232/485 with any third party controller that supports Visca, Pelco-P/D protocols.			
AVL-UHD620AS		AVL-UHD612AS	
Camera			
Video System	HDMI:4K60P, 4K59.94P, 4K50P, 4K30P, 4K29.97P, 4K25P, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94; 3G-SDI:1080P60,1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25; 1080I60, 1080I59.94, 1080I50; 720P60, 720P59.94;		
Sensor	1/1.8", CMOS, Max Effective Pixel: 842M		1/2.5", CMOS, Max Effective Pixel: 851M
Scanning Mode	Progressive		
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95		12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x(Max.)		
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)		
Shutter	1/30s ~ 1/10000s		
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR		
Backlight Compensation	Support		
Digital Noise Reduction	3D Digital Noise Reduction		
Video S/N	≥55dB		
Horizontal Angle of View	60° ~ 3.5°		71° ~ 8.2°
Vertical Angle of View	35.7° ~ 2.0°		42.7° ~ 4.5°
Horizontal Rotation Range	±170°		
Vertical Rotation Range	-30° ~ +90°		
Pan Speed Range	1.7° ~ 100°/s		
Tilt Speed Range	1.7° ~ 69.9°/s		
H & V Flip	Support		
Image Freeze	Support		
NDI/PoE	support(optional)		
Number of Preset	255		
Preset Accuracy	0.1°		
Input/Output Interface			
HD Output	1xHDMI: Version 2.0 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard		
Network Interface	1xRJ45: 10M/100M Ethernet Interface		
Audio Interface	1 x Line In: 3.5mm Jack; 1 x Line Out: 3.5mm Jack;		
USB	1 x USB2.0,Type-A (Support Host or Device mode)		
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P		
	1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only		
	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P		
Power Jack	JEITA type (DC IN 12V)		
Network Features			
Video Compression	H.265 / H.264 / MJPEG		
Video Stream	Main Stream, Sub Stream		
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.		
Sub Stream Resolution	720x480, 320x240, etc.		
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps		

Bit Rate Type	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps
Support protocols	NDI® HX2,SRT,TCP/IP,HTTP,RTSP,RTMP/ RTMPS, Onvif, DHCP,Multicast, etc.

USB Featured

Operate System	Windows 7, Windows 8, windows 10, windows 11, MacOS 11.6.6 or higher versions, Ubuntu 18.04.4 lts or higher versions, Android 8.0.0 or higher versions
Color System / Compression	YUY2 H.265 / H.264 / MJPEG
Video Format	YUY2 :Max.1080P5; H.264 : Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support

General

Input Voltage	DC 12V/PoE+(802.3at)
Current Consumption	2A(Max.)
Power Consumption	18W(Max.)
Operating Temperature	0 ~ 40°C
Storage Temperature	-40°C ~ 60°C
Color	Gray
Dimensions (W x H x D)	169mm x 142mm x 175mm
Weight	1.5Kg
Included	Remote Control/RS232 cable/Power
Optional	PoE, NDI HX

