

4K Video Conference PTZ Camera

AVL-UHD620/612

This SDI 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.

HDMI, IP, 3G-SDI, USB3.0 simultaneously output.

AVL-UHD620

AVL-UHD612

Camera	
Video System	4K@60fps, 4K@50fps,4K@30fps, 4K@25fps,4K@59.94fps,4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fp, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps,720P@59.94fps
Sensor	1/1.8", CMOS, Max Effective Pixel: 842M
Scanning Mode	Progressive
Lens	20x, f = 6.7mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 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	60° ~ 3.5°
Vertical Angle of View	35.7° ~ 2.0°
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°

USB Featured	
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG
Video Format	YUY2: max to 1080P@30fps H.264 AVC: max to 2160P@60fps H.264 SVC: max to 2160P@60fps MJPEG: max to 2160P@60fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support

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	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate

Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

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-ch: 3.5mm Audio Interface, Line In/Mic In
USB	1xUSB3.0: Up to 4K@60fps compressed video and 1080P original video can be output 1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Communication Interface	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)

General

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Power Consumption	12W (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Color	Gray
Dimensions (W x H x D)	169mm x 142mm x 164mm
Weight	1.35Kg (3.0lb)
Included	Remote Control/RS232 cable/Power
Optional	PoE, NDI HX

