

Model No.	VHD612A	VHD620A	VHD630A
			
Camera			
Sensor	1/2.8"		
Effective Pixels	2.07MP		
Video Signals	1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94, 720P50		
Zoom	12x optical zoom	20x optical zoom	30x optical zoom
Lens	f=4.2mm ~ 50.4mm	f=4.6mm ~ 92mm	f=4.6mm ~ 138mm
Aperture	F1.8 ~ F2.8	F1.8 ~ F3.6	F1.8 ~ F3.6
Horizontal Angle	70.2° ~ 6.52°	62.3° ~ 3.46°	62.3° ~ 2.31°
Vertical Angle	42.6° ~ 3.76°	36.1° ~ 1.92°	36.1° ~ 1.29°
Diagonal Angle	77.5° ~ 7.53°	69.5° ~ 3.86°	69.5° ~ 2.63°
Digital Zoom	8X		
Video Output	USB 3.0, HDMI, RJ45, SDI		
Signal Standard	NTSC/PAL		
Control Interface	RS232, RS485, USB, NET		
Shutter	1/30s ~ 1/10000s		
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR		
Backlight Compensation	Support		
Digital Noise Reduction	2D&3D Digital Noise Reduction		
Baud Rate	2400/4800/9600/19200/38400		
Control Protocol	VISCA, Pelco-D, Pelco-P		
USB Protocol	UVC 1.1		
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)		

SNR	≥50dB
Horizontal Rotation	350° (±175°) 0.1°/s~100°/s
Vertical Rotation	180° (±90°)0.1°/s~80°/s
H & V Flip	Support
Image Freeze	Support
PoE	Support
Number of Preset	255
Preset Accuracy	0.1°
IPC Features	
Video Encoding Format	H.264/H.265/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576 , 940x540,etc.
Sub Stream Resolution	1280x720, 1024x576, 720x480, 720x408,etc.
Video Bit Rate	32Kbps ~ 102400Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Network Protocol	NDI HX2,SRT,TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/Output Interface	
HD Output	1xHDMI 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
LAN	1xRJ45:10M/100M Ethernet Interface,PoE (802.3af)
Audio Interface	1-ch: 3.5mm Audio Interface, Line In 1-ch: 3.5mm Audio Interface, Line Out
USB	1xUSB3.0: Type B female jack
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)

Generic Specification	
Power Supply	DC 12V/2A
Power Consumption	12W
Work Temperature	0°C ~ 40°C
Work Humidity	0~95% RH
Product Size	247.1*152*169.6mm/285*217*197mm(before / after packing)
Product Weight	1.37kg/2.45kg (net / gross weight)

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