

Model No.	VHD3U	VHD10U	VHD12U	VHD20U	VHD12U-4k	VHD10H	VHD20H	VHD12H	VHD4K AI
Picture									
Sensor	1/2.8"SONY CMOS				1/2.8"SONY CMOS	Sony IMX327 1/2.8" CMOS			1/2.8"SONY CMOS
Effective Pixels	2.38 mega pixel				8.29mega pixel	2.07MP			8.29mega pixel
Video Signals	1080p@60/50/30/25fps, 720p@60/50/30/25fps				4K@30/25,1080p@60/50/30/25fps, 720p@60/50/30/25fps	1080p@60/50/30/25fps, 720p@60/50/30/25fps			4K@30/25fps,2K@30/25fps,1080p@30/25fps
Zoom	3x optical zoom	10x optical zoom	12x optical zoom	20x optical zoo	12x optical zoom	10x optical zoom	20x optical zoom	12x optical zoom	5x digital zoom
Lens	f=2.38-7mm	f=5.76-46.09mm	f=3.42-40.02mm	f=5.9-94.4mm	f=3.42-40.02mm	f=4.32-40.9mm	f=5.5-110mm	f=4.1-49.2mm	f=2.22mm
Aperture	F1.96-3.64	F1.8-2.6	F1.88-3.77	F1.8-3.9	F1.88-3.77	F1.76~F3.0	F1.6-3.5	F1.8-2.68	F2.4
Horizontal Angle	103.69°(W)-42.12°(T)	54.7°(W)-6.8°(T)	80.56(W)-7.89°(T)	52.1°(W)-3.4°(T)	80.56(W)-7.89°(T)	67.5°(W)-8.8°(T)	55.8°(W)-3.2°(T)	70.28°(W)-6.57°(T)	110°
Vertical Angle	67.14°(W)-	30.8°(W)-3.8°(T)	49.61°(W)-4.46°(T)	29.3°(W)-1.9°(T)	49.61°(W)-4.46°(T)	40.2°(W)-4.3°(T)	32.2°(W)-1.8°(T)	42.06°(W)-3.76°(T)	75°
Diagonal Angle	113.91°(W)-	62.8°(W)-7.8°(T)	89.51°(W)-9.04°(T)	59.8°(W)-3.9°(T)	89.51°(W)-9.04°(T)	75.4°(W)-8.8°(T)	61°(W)-3.64°(T)	78.36°(W)-7.5°(T)	120°
Video Output	USB 3.0, HDMI					HDMI, USB3.0, RJ45			USB3.0
LAN	/					10M/100M adaptive Ethernet port; Support POE IEEE802.3af			/
Network Protocol	/					NDI HX2,RTSP, RTMP, ONVIF, GB28181; Support VISCA Over IP			/
Video Encoding Format	H.264, H.265, MJPG, YUY2								
Video Resolution	1080P (1920 *1080) etc				4K (3840*2160)	1080P (1920 *1080) etc			4K (3840*2160)
Signal Standard	NTSC/PAL								
Preset Position	User can set up to 255 presets (10 presets by IR remote)								
Control Interface	RS-232 (input only), RS-485, USB					RS-232 (input only), RS-485, USB			
Shutter	1/30s-1/10000s, auto								
Baud Rate	2400/4800/9600/38400bps								
Control Protocol	VISCA, PELCO-D, PELCO-P(RS-232, RS-485)								
USB Protocol	UVC1.1								
Minimal Illumination	0.1Lux								
SNR	≥50dB								
Horizontal Rotation	350° (±175°) 0.1°/s~100°/s								
Vertical Rotation	180° (±90°)0.1°/s~80°s								
Power Supply	DC 12V/2A								
Power Consumption	12W								
Work Temperature	0°~+50°								
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)								