

Front View



Side View

4K vue PTZ

The vue 4K PTZ features upgraded HDMI/RTSP output resolution to 4K@30Hz. It supports real-time AI tracking of faces/figures/zones and incorporate a new USB 3.0 output port to meet growing demands for remote conferencing and live streaming applications.

Notably, the NDI version has been upgraded from NDI|HX to NDI|HX3, delivering enhanced video quality and lower latency for network streaming - addressing professional users' pursuit of superior performance. The front panel features an OLED screen displaying real-time resolution and IP information for better camera management.

Like its vue 4K sibling which boasts a unique 360°-visible TALLY indicator and identification board (immune to device switching interference), the innovative RGBlink vue camera design with patented technology adapts seamlessly to any environment.

Key Features

- 4K30 image with Sony 1/2.8-inch 8.42MP sensor
- 12X/20X/30X optical zoom times available
- 16X digital zoom times for sharper details and extended viewing range
- Advanced auto focus for fast, accurate, and stable focusing
- Low-noise CMOS with 2D/3D noise reduction for high SNR and clarity
- High-speed USB 3.0, HDMI, LAN, SDI (1080P60@100m)
- H.265/H.264 video and AAC/G.711A audio compression up to 4K@30fps
- AAC audio input (16k-48kHz) and G.711A (8kHz) support
- ONVIF/RTSP/RTMP protocols and VISCA control
- AI tracking with face/body recognition for conference and studio
- RS485/RS232 control (RS232 supports cascading)
- Integrated PoE+ and NDI|HX3 for IP workflow and high-quality streaming.
- VISCA/PELCO-D/P protocols with auto-detection
- Silent gimbal with precision stepper motor for smooth, quiet operation
- Low-power sleep mode under 400mW
- 255 presets (10 accessible via remote)
- Infrared remote controller (anti-interference, signal passthrough)
- Ideal for education, conferences, medical, court, and command systems

Specification

Connectors	Video	HDMI, 3G-SDI, LAN (PoE+), USB3.0	
	Control	RS-232	Loop-through RS232 output
		RS-485	
	Audio input	Line-in	Dual-channel 3.5mm audio jack
	Audio output	HDMI, 3G-SDI, LAN (PoE+), USB3.0	
	LAN	1000M Ethernet port with POE+ power supply, supports audio/video output and IP VISCA control protocol	
Standard	Image bitstream	Dual stream output capability	
	Video compression format	LAN	H.264、H.265
		USB 3.0	MJPG、H.264、H.265、YUY2、NV12
	Control protocol	VISCA/Pelco-D/Pelco-P	
		Baud rate: 115200/9600/4800/2400bps	
	Audio compression format	AAC，G.711A	
	Network protocol	Support RTSP, RTMP, ONVIF, SRT, NDI (optional); Network VISCA control protocol supported	
		Remote firmware upgrade, reboot and reset supported	
	USB communication protocol	UVC (USB Video Class) and UAC (USB Audio Class) compliant	
Len Parameters	Image sensor	1/2.8-inch high-quality CMOS sensor	
	Effective pixels	8.42 megapixels, 16:9 aspect ratio	
	Video signal	HDMI	3840 × 2160@30/29.97/25 | 1920 × 1080P@60/59.94/50/30/29.97/25| 1280 × 720P@60/59.94/50
		SDI	1920 × 1080P@60/59.94/50/30/29.97/25| 1920 × 1080I@60/50/59.94 | 1280 × 720P@60/59.94/ 50
		USB	**YUY2/NV12:** 1920 × 1080 | 1280 × 720 | 1024 × 576 | 800 × 600 | 800 × 448 | 640 × 480 | 640 × 360 | 480 × 270 320 × 180P@30/25/20/15/10/5fps
			H264/H265/MJPG: 3840 × 2160 @30/29.97/25 1920 × 1080 | 1600 × 896 | 1280 × 720 | 1024 × 576 | 960 × 540 | 800 × 600 | 800 × 448 | 720 × 576 720 × 480 | 640 × 480 | 640 × 360 | 480 × 270 | 352 × 288 | 320 × 240@60/30/25/20/15/10/5fps
		LAN	**H264/H265:** Main Code Stream 3840 × 2160 | 2592 × 1944 | 2304 × 1296@30/29.97/25 1920 × 1080 | 1280 × 720@60/30/25/20/15/10/5fps Subcode Stream 1920 × 1080 | 1280 × 720 | 640 × 360 | 640 × 480 | 320 × 240 | 320 × 180@30/25/20/15/10/5fps

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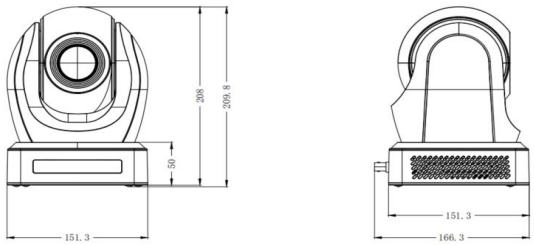
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Len Parameters	Lens Optical Zoom	12x	20x	30x
	Digital Zoom	16x	16x	16x
	EFL (f)	f = 4.1 ~ 49.2mm	f=4.8 ~ 96mm	f=5.2 ~ 148.4mm
	H FOV°	70.4° ~ 6.72°	60.04°~3.81°	58.1° ~ 2.14°
	F-Number (F/No.)	F1.8 ~ F2.68	F1.8 ~ F2.9	F1.3 ~ F4.8
	Minimum Illumination	0.5Lux(F1.8, AGC ON)		
	Digital Noise Reduction	2D & 3D digital noise reduction		
	White Balance	Auto/manual/one-click white balance/specified color temperature (2400K-7100K, 100K step)		
	Focus	Auto/manual/one-press focus		
	Iris	Auto/manual		
	Electronic Shutter	Auto/manual		
	Backlight Compensation	On/off		
	Wide Dynamic Range	Off/dynamic level adjustment		
	Video Adjustment	Brightness, sharpness, saturation, contrast, white balance, anti-flicker, low-light compensation adjustable		
	Signal-to-Noise Ratio	>50dB		
Pan-Tilt Parameters	Pan Rotation	-170° ~ +170°		
	Tilt Rotation	-30° ~ +90°		
	Pan Control Speed	0.1°/s ~ 60°/s		
	Tilt Control Speed	0.1°/s ~ 30°/s		
	Preset Speed	Pan: 60°/s, Tilt: 30°/s		
	Number of Presets	Users can set up to 255 preset positions (10 via remote control)		
Other Parameters	Power adapter	Input: AC110V-AC220V		
		Output: DC12V/2.5A		
	Input voltage	DC12V±10%		
	Input current	1.5A (Max)		
	Power consumption	18W (Max)		
	Storage temperature	-10℃ ~ +60℃		
	Storage humidity	20% ~ 95%		
	Operating temperature	-10℃ ~ +50℃		
	Operating humidity	20% ~ 80%		
	Dimensions	167×152×210 mm (6.6x6.0x8.3 in)		
	Net weight	1.9kg (4.2lb)		
	Operating environment	Indoor		
	Remote maintenance	Firmware upgrade, reboot, reset		

Product Code

Product Code	Item
981-1100-01-0	RGB12X-PAI-OL 4K30 12X POE Tracking Camera
981-1100-02-0	RGB12X-NAI-OL 4K30 12X POE NDI Tracking Camera
981-1100-03-0	RGB20X-PAI-OL 4K30 20X POE Tracking Camera
981-1100-04-0	RGB20X-NAI-OL 4K30 20X POE NDI Tracking Camera
981-1100-05-0	RGB30X-PAI-OL 4K30 30X POE Tracking Camera
981-1100-06-0	RGB30X-NAI-OL 4K30 30X POE NDI Tracking Camera

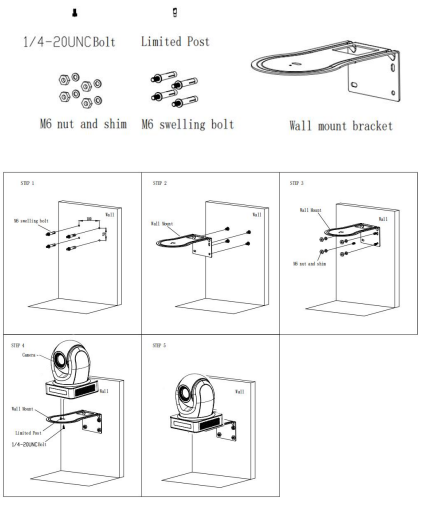
Dimension



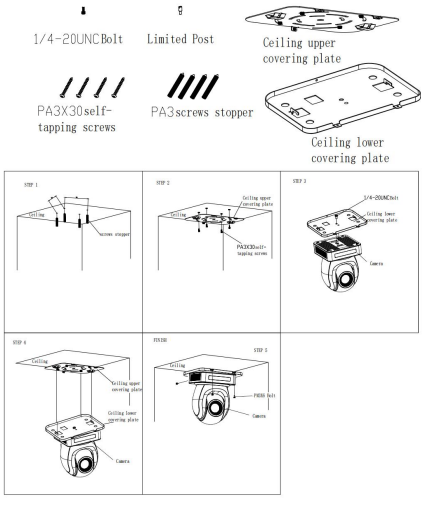
unit：mm

Installation

Wall Mount



Ceiling Mount



Note: the accessories for mounting camera are not included in the package.

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