VUE UHD
broadcast PTZ camera

Go pro with PTZ

vue UHD PTZ camera is designed for professional broadcasting.

The 1600TVL resolution lens is equipped with an advanced ISP image processor and 8.42 million pixel sensor, providing ultra-clear 4K60Hz image quality. Supports 12X/20X/30X optical zoom and a range of outputs from HDMI, 3G-SDI, UVC to RTSP, RTMP, ONVIF, SRT and NDI (Optional).

It can support a maximum pitch angle of -30°~+90°, truly achieving panoramic vision coverage. Ultra-wide dynamic range provides powerful color performance.

vue UHD has a unique TALLY indicator light and identification board, which can be seen from a 360° full viewing angle without fear of device switching.

The innovative and patented RGBlink vue camera design is at home in every environment.
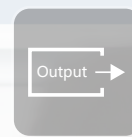
| 12X/20X/30X | Multi-protocol | Precision Movement | Digital & IP VIdeo | UltraHD |

NDI | HX2

Select vue models include NDI | HX2 and HX protocol and capabilities, allowing vue cameras to be integrated directly into professional and broadcast workflows including to applications such as Zoom, Teams and more.

Zoom In

It provides three types of optical zoom lenses, 12X,20X and 30X, and further provides 16X digital zoom to realize what you see is what you get.

12X/20X/30X
Optical zoom

TALLY Crown

Selected view models include the RGBlink vue TALLY Crown indicator light showing clearly stand-by and on-air status of the camera.

Ultra HD image

Adopts 1/2.8-inch 8.42 million pixel high-quality image sensor, with a maximum resolution of 3840x2160 and an output frame rate of up to 60 frames per second.

Multi-Protocol Support

Output from HDMI, 3G-SDI, UVC to RTSP, RTMP, ONVIF, SRT and NDI (Optional) for maximum connectivity, in support of virtually any application requirement.

OLED Display

The super convenient OLED display shows you information such as IP address resolution and frame rate.

AI tracking

Stable and accurate AI humanoid tracking, completely freeing your hands.

Power of Convenience

Power vue cameras from supplied PSU or via the ethernet port for selected models connected on PoE+ enabled networks.

Audio In

All vue models include 3.5mm mini-jack input, allowing Line level inputs to be inserted to all outgoing video signals including embedded on HDMI, SDI, SRT, UVC, NDI and other IP codecs.
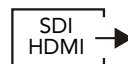
Precise Position Control

High precision micro stepper motor controls to within 0.1 degrees. Reposition the camera and zoom to any position in under 1s, smoothly, accurately and super quietly. Advanced algorithms optimise imaging at every movement for precise blur-free performance.

Browser Config & Preview

Connect directly to a vue camera from any browser without the need to install a dedicated app. The web interface allows full configuration of the camera as well as preview of video, operations and control.

Monitor

SDI
HDMI →

Web preview

RTSP
RTMP →
NDI

Specifications

Connections

	RGB12X-UPAI-OL	RGB12X-UNAI-OL	RGB20X-UPAI-OL	RGB20X-UNAI-OL	RGB30X-UPAI-OL	RGB30X-UNAI-OL
Video Out						
HDMI	●	●	●	●	●	●
SDI (BNC)	●	●	●	●	●	●
UVC (USB 3.0-A)	●	●	●	●	●	●
Network / IP Video						
RJ45	●	●	●	●	●	●
Audio / Line In						
Mini-Jack	●	●	●	●	●	●
Control						
RS232 (DIN)	●	●	●	●	●	●
RS485 (IDC)	●	●	●	●	●	●
Power						
DC Jack	●	●	●	●	●	●

Features

	RGB12X-UPAI-OL	RGB12X-UNAI-OL	RGB20X-UPAI-OL	RGB20X-UNAI-OL	RGB30X-UPAI-OL	RGB30X-UNAI-OL
PoE+	●	●	●	●	●	●
NDI | HX2		●		●		●
RTMP	●	●	●	●	●	●
RTSP	●	●	●	●	●	●
SRT	●	●	●	●	●	●

Optics

Sensor Type	1/ 2.8"	1/ 2.8"	1/ 2.8"
Optical Zoom	12X	20X	30X
Digital Zoom	16X	16X	16X
EFL $_{(f)}$mm	4.1~49.2	4.8 - 96	5.2~148.4
FOV$_{(H)}°$	70.4~6.72	60.04~3.81	58.1~2.14
FNO$_{(F)}$	1.8~2.68	1.8~2.9	1.3~4.8

Performance

Camera

Sensor	1/2.8 inch 8.42 megapixel UHD CMOS
Focus	Auto/Manual
White Balance	Auto/Manual/One Push/ 2400K to 7100K(selectable)
Minimum Illumination	0.5Lux
DNR	2D & 3D
Aperture	Auto/Manual
Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/Dynamic level adjustment
Video Adjustment	Brightness/Color/Saturation/Contrast/ Sharpness/B/W mode/Gamma curve
SNR	>50dB

PTZ

Pan Rotation	-170° ~ +170°
Tilt Rotation	-30° ~ +90°
Pan Control Speed	0.1 ~ 60°/second
Tilt Control Speed	0.1 ~ 30°/second
TALLY	360° TALLY light
Preset Number	255 presets (10 presets by remote control)
Preset Speed Pan	60°/second
Preset Speed Tilt	30°/second

Standards

Video Codec	H.264 H.265
Video Compression	AAC/MP3/G.711A
Output Resolutions	3840x2160P 60/59.94/50/30/29.97/25; 1920x1080P 60/59.94/50/30/29.97/25; 1280x720P 60/59.94/50
Control Protocol	VISCA/Pelco-D/Pelco-P
Network Protocol	RTSP/RTMP/ONVIF/SRT
Remote Operation (IP)	Remote Upgrade, Reboot and Reset
Accessory	Power Supply/RS232 Control Cable/Remote Control
Optional Accessory	Bracket/ Flight Case

Operational

Temperature	-10 ~ 50ºC
Humidity	20 ~ 80% RH

Physical

Weight	Net	1.9kg
	Package	3.2kg
Dimensions	Net	167 x 152 x 210mm
	Package	265 x 249 x231mm