

Preliminary

RGBlink®

# VUE 4K

## broadcast PTZ camera



# Go pro with PTZ

vue 4K PTZ camera is designed for professional broadcasting. The 1600TVL resolution lens is equipped with an advanced ISP image processor and 8.51 million pixel sensor <sup>(1)</sup>, providing ultra-clear 4K image quality. Supports 12X/20X optical zoom and a range of outputs from HDMI, 12G-SDI to H.264, H.265, and NDI.

It can support a maximum pitch angle of  $-30^{\circ}\sim+210^{\circ}$ , truly achieving panoramic vision coverage. Ultra-wide dynamic range provides powerful color performance. vue 4K has a unique TALLY indicator light and identification board, which can be seen from a  $360^{\circ}$  full viewing angle without fear of device switching.

Shicheng vue 4K camera is suitable for any scene, including radio and television stage design, professional studios, corporate live broadcasts, character interviews, remote conferences, wedding hotels, outdoor live broadcasts, education and training, e-sports live broadcasts, church live broadcasts, etc.



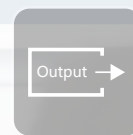
12X/20X



Multi-protocol



Precision Movement



Digital & IP Video



UltraHD

## NDI | HX2

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

## Zoom In

It provides two types of optical zoom lenses, 12X and 20X, equipped with a 1/1.8 inch <sup>(2)</sup> ultra-high-definition CMOS sensor, and further provides 16X digital zoom to realize what you see is what you get.



(1)12X product is 8.51 million pixels, 20X product is 8.42 million pixels  
(2) 20X products are 1/1.8 inches, 12X products are 1/2.5 inches



## TALLY Crown

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

## Multi-Protocol Support

Output to HDMI, 12G-SDI, RTMP and RTSP, and optionally NDI and USB/UVC for maximum connectivity, in support of virtually any application requirement.

## 12G-SDI and HDMI2.0 dual 4K output

The powerful video processing chip provides a strong guarantee for ProAV-level multiple outputs.

## AI tracking

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

## 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.

## OLED Display

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

## 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, NDI and other IP codecs.

## FreeD

Through the FreeD protocol that is compatible with mainstream 3D engines, the position data of the PTZ camera is sent to the AR/VR system, allowing virtual characters and display interactions to be perfectly interconnected, thereby achieving ultra-high cost-effective virtual production.

## 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



Web preview



## Connections

Video Output	SDI	1xBNC
	HDMI	1xHDMI 2.0
	USB	1xUSB Type-C
	NDI	1xRJ45
	LAN(PoE+)	1xRJ45
Audio	IN	1x3.5mm TRS Stereo Jack
		Built-in Dual Microphones
Communication	RS 232 In/Out	1xDIN-8
	RS485	1x3Pin Phoenix Connector
	LAN	1x1000M LAN Port
Power		1xJEITA type (DC IN 12V)

## Performance

### Camera

Optical Zoom	12X	20X
Focal Length	f=3.47mm~41.65mm	f = 6.25mm ~ 125mm
Aperture	F1.84~F3.72	F1.58 ~ F3.95
Horizontal View Angle	80.8° ~ 7.5°	60° ~ 3.5°
Vertical View Angle	49.9° ~ 4.3°	35.7° ~ 2.0°
CMOS Sensor	1/2.5 inch	1/1.8 inch
Effective Pixels	8.51m	8.42m
Optical Zoom	16X	
Minimum Illumination	0.5 Lux (@F1.8, AGC ON)	
DNR	3D DNR	
White Balance	Auto / Manual/ One Push/ Indoors/ Outdoors/VAR	
Focus/Iris/Shutter	Auto / Manual	
BLC	ON/OFF	
Dynamic Range	OFF/ Dynamic level adjustment	
Video Adjustment	Brightness/Hue/Saturation/Contrast/Sharpness/ B/W mode/Gamma Curve	
Image Flip	Auto / Manual	
Image Freeze	Supported	
SNR	≥55dB	
Lens Resolution	1600TVL+ (Central Area)	

### Pan-and-Tilt Parameter

Pan/Tilt Movement	-170°~+170°/-30°~+210°
Pan/Tilt Control Speed	1.8~100°/s; 1.5~60°/s
Preset Speed/Quantity	Pan:100°/s(max), Tilt:60°/s(max); Up to 255 preset positions (10 remote control)

360° TALLY	Full 360° view of TALLY TALLY Signboard (No.1~255)
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### Output Resolutions

HDMI & SDI	3840*2160p60/59.94/50/30/29.97/25 5   1080p60/59.94/50/30/29.97/25   1080i60/59.94/50   720p60/59.94/50
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Network (H.265 / H.264 / MJPEG)

3840x2160, 1920x1080, 1280x720  
etc.(First Stream: 2kbps~51200kbps  
Second Stream: 32kbps~20480kbps)

### Audio Compression Format

AAC | G.711A

### Video Compression Format

H.264 | H.265 | Dual Streaming Output

### USB Protocol

UVC 1.5 (UVC 1.1 backward compatible)

### NDI Protocol

NDI|HX2

### Control Protocol

VISCA | Pelco-D | Pelco-P | ONVIF

### FreeD Protocol

Support (Network)

### Network Protocol

RTSP | RTMP | ONVIF | NDI | VISCA | FreeD

### Baud Rate(bps)

115200 | 9600 | 4800 | 2400bps

### Synchronous Output

12G SDI + HDMI2.0 +UVC 1.5+ NDI+Dual RTSP + FreeD

### Supported Standards

SDI ST2082-1 | SMPTE 425M (Level A & B) | SMPTE 424M |  
SMPTE 292M | SMPTE 259M-C | DVB-ASI

## Power

### Input Voltage

DC 12V/1.5A

### Max Power

18W

## Environment

Temperature 0°C~40°C

Humidity 20%~80%

