

# Lumens®



## VC-A71P 4K IP PTZ Camera



Advanced UltraHD pan tilt and zoom camera with 12G-SDI, IP, and HDMI outputs.

Lumens VC-A71P is a broadcast-quality UHD PTZ camera. Paired with a low distortion professional zoom lens, the camera's large (1/1.8") CMOS sensor produces superb 4K and HD results. Its excellent color reproduction and 12G-SDI output mean it's a great choice for productions where image quality is of the highest importance. The VC-A71P is a practical solution for broadcasting, video production, lecture recording and live events.

### Key Features



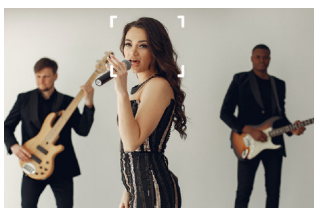
- Professional 1/1.8" Sony sensor
- 4K UHD 60fps and 30x optical zoom
- Smart AF: AI-enabled autofocus system
- FreeD protocol for live VR/AR production
- 12G-SDI, HDMI, Ethernet (PoE++) and USB 3.0 outputs
- 5-year warranty\*

### Live VR/AR Video Production



VC-A71P supports the popular FreeD protocol which outputs the camera's positional data over IP in real-time. This enables users to work with state-of-the-art Virtual Reality and Augmented Reality sets without the need for additional sensors.

### Face Recognition Autofocus System



Equipped with Lumens' Smart AF algorithm, VC-A71P can intelligently identify human faces and automatically detect the eyes and mouth. This enables the camera to keep the subject in sharp focus all the time.

### Easy Operability & Fast Communication



With a top-mounted tally light, the VC-A71P notifies the crew and talent which camera is currently in use. It provides clear communication and is especially useful in multi-camera productions and broadcast studios.

### High-Precision Camera Position



With high-precision motor control and Lumens' advanced transmission mechanism, the VC-A71P achieves high-speed pan and tilt at up-to 300° per second. Camera movement is smooth and judder-free, even at low speeds.

# Applications



## Broadcast

Simplify VR/AR video production workflows. Deliver highly creative results.



## Live Events

Provide an immersive live experience to on-site and remote audiences.



## Esports

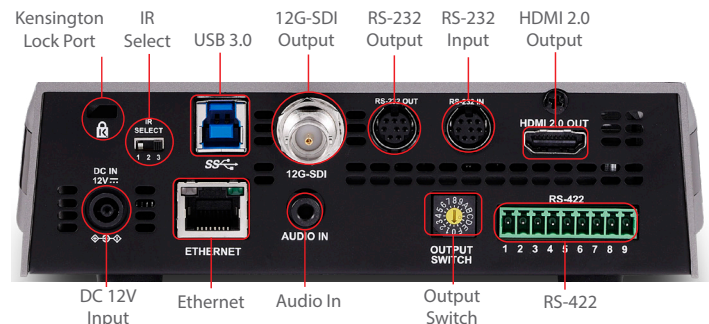
Livestream Esports matches and events. Interact with global audiences in real-time.

# Product Specifications

Camera	
<b>Sensor</b>	1/1.8" 9.17 MP CMOS
<b>Video Format</b>	2160p: 59.94 / 50 / 29.97 / 25 1080p: 59.94 / 50 / 29.97 / 25 1080i: 59.94 / 50 720p: 59.94 / 50 / 29.97 / 25
<b>Video Output (HD) Interface</b>	12G-SDI / HDMI 2.0 / Ethernet / USB 3.0
<b>Optical Zoom</b>	30x
<b>Digital Zoom</b>	12x
<b>Viewing Angle</b>	63° (H) 35.4° (V) 72.3° (D)
<b>Aperture</b>	F1.6 ~ F4.8
<b>Focal Length</b>	6.5mm ~ 202mm
<b>Shutter Speed</b>	1/1 ~ 1/10,000 sec
<b>Minimum Object Distance</b>	1.5m (Wide/Tele)
<b>Video S/N Ratio</b>	> 50dB
<b>Minimum Illumination</b>	0.05 lux (F1.6, 50IRE, 30fps)
<b>Focus System</b>	Auto / Manual / Smart AF
<b>Gain Control</b>	Auto / Manual
<b>White Balance</b>	Auto / Manual
<b>Exposure Control</b>	Auto / Manual
<b>WDR</b>	Yes
<b>3D NR</b>	Yes
<b>Image Flip</b>	Yes
<b>Color Space</b>	Standard / BT.2020 / REC.709
<b>AR/VR Systems</b>	FreeD
<b>Tally Light</b>	Yes
Pan & Tilt	
<b>Panning Angle</b>	+170° ~ -170°
<b>Panning Speed</b>	300°/sec
<b>Tilting Angle</b>	+90° ~ -30°
<b>Tilting Speed</b>	300°/sec
<b>Preset Positions</b>	256

Output	
<b>HDMI / 12G-SDI</b>	2160p59.94
<b>IP Stream</b>	HEVC 4K 59.94fps H.264 1080p 59.94fps H.264 640x360 29.97fps
<b>IP Compression</b>	HEVC(H.265) / H.264
<b>USB Output</b>	H.264 4K30fps MJPEG 1080p30
<b>USB Compression</b>	H.264 / MJPEG
Network	
<b>IP Protocol</b>	RTSP / RTMP / RTMPS / MPEG-TS / SRT
<b>PoE</b>	PoE++ (IEEE802.3bt)
Audio	
<b>Input</b>	Line In / MIC In, Phone Jack 3.5mm x1
<b>Output</b>	Ethernet / 12G-SDI / HDMI 2.0 / USB
<b>Compression Format</b>	IP: G.711 / USB: PCM
Camera Control	
<b>Interface</b>	RS-232 / RS-422 / Ethernet / USB 3.0 / Remote
<b>Protocol</b>	VISCA / VISCAIP / PELCO D / ONVIF
<b>UVC</b>	1.1
<b>UAC</b>	Yes
General	
<b>DC In</b>	12V +/- 20%
<b>Power Consumption</b>	PoE: 27.5 W DC In: 27 W
<b>Weight</b>	6.6 lbs (3 kg)
<b>Dimension</b>	9.2" x 7.4" x 7.4" (232 x 188 x 189 mm)

## I/O CONNECTIONS



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