

# Lumens®



Compatible with



**BOSCH**



## VC-A71P 4K IP PTZ Camera

4K  
60fps

30x

1/1.8"  
Sensor

12G  
SDi

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.



### Human Detection 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.

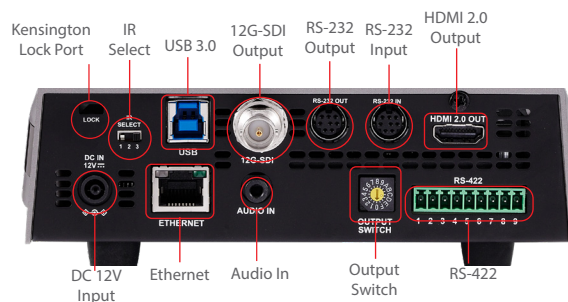


## Product Specifications

| Camera                             |  |
|------------------------------------|--|
| <b>Sensor</b>                      | 1/1.8" 9.17 MP CMOS  |
| <b>Video Format</b>                | 2160p: 59.94 / 50 / 29.97 / 25<br>1080p: 59.94 / 50 / 29.97 / 25<br>1080i: 59.94 / 50<br>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 Lengthst</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 / Smart AE   |
| <b>IQ Sync</b>                     | Yes  |
| <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(H.265) 4K 59.94fps<br>H.264 1080p 59.94fps<br>H.264 640x360 29.97fps |
| <b>IP Compression</b>     | H.264 / HEVC(H.265)   |
| <b>USB Output</b>         | H.264 4K30fps<br>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> | AAC / G.711 / PCM   |
| Camera Control            |   |
| <b>Interface</b>          | RS-232 / RS-422 / Ethernet / USB 3.0 / Remote                             |
| <b>Protocol</b>           | VISCA / VISCAIP / PELCO D / ONVIF / UVC                                   |
| <b>UVC</b>                | 1.1   |
| <b>UAC</b>                | Yes   |
| General                   |   |
| <b>DC In</b>              | 12V +/- 20%   |
| <b>Power Consumption</b>  | PoE: 27.5 W<br>DC In: 27 W  |
| <b>Weight</b>             | 6.6 lbs (3 kg)  |
| <b>Dimension</b>          | 9.2" x 7.4" x 7.4"<br>(232 x 188 x 189 mm)                                |

## I/O CONNECTIONS



**Lumens**<sup>®</sup>

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