The Lumens® VC-A61PN is equipped with a professional 1 / 2.5” CMOS sensor with 4K Ultra HD output at 30fps. The camera delivers a crystal-clear image and natural color reproduction. Its superior 30x optical zoom lens captures every detail even in low light conditions.

The VC-A61PN supports NDI®|HX that delivers high-quality video with ultra-low latency for your video production. The camera has Ethernet, HDMI and 3G-SDI outputs. It is applicable for use in a broadcasting studio, conference room, live events, and house of worship, etc.

Key Features

- 4K Ultra HD video image quality
- 30x optical zoom enhances details in the image
- NDI®|HX delivers high-quality video with ultra-low latency

Key Feature Details

4K Ultra HD
Supports a high-end 4K sensor that provides uncompromising image quality with 4K 30fps output resolution.

30x Optical Zoom
Superior 30x optical zoom lens smoothly and quickly captures the details even in low light conditions.

NDI®|HX Technology
The VC-A61PN delivers high-quality video with ultra-low latency and connects directly to an NDI® network.

Simple Live Streaming
Reach a larger audience via live streaming with simpler and quicker installation without bulky cables.
Applications

- Broadcasting
- E-sports
- House of Worship

Product Specifications

<table>
<thead>
<tr>
<th>Camera</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>1/2.5&quot; 8.57MP CMOS</td>
</tr>
<tr>
<td>Video Format</td>
<td>2160p : 29.97 / 25</td>
</tr>
<tr>
<td></td>
<td>1080p : 59.94 / 50 / 29.97 / 25</td>
</tr>
<tr>
<td></td>
<td>1080i : 59.94 / 50</td>
</tr>
<tr>
<td></td>
<td>720p : 59.94 / 50</td>
</tr>
<tr>
<td>Video Output (HD) Interface</td>
<td>3G-SDI, HDMI, Ethernet</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>30x</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>12x</td>
</tr>
<tr>
<td>Viewing Angle</td>
<td>68°(H) / 38.3°(V) / 78°(D)</td>
</tr>
<tr>
<td>Aperture</td>
<td>F1.6~F3.4</td>
</tr>
<tr>
<td>Focal Length</td>
<td>4.6mm~135mm</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/1 ~ 1/10,000 sec</td>
</tr>
<tr>
<td>Minimum Object Distance</td>
<td>1.5m (Wide/Tele)</td>
</tr>
<tr>
<td>Video s/n Ratio</td>
<td>&gt;50dB</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>0.1 lux (F1.6, 50IRE, 30fps)</td>
</tr>
<tr>
<td>Focus System</td>
<td>Auto / Manual / Smart AF</td>
</tr>
<tr>
<td>Gain Control</td>
<td>Auto / Manual</td>
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<tr>
<td>White Balance</td>
<td>Auto / Manual</td>
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<tr>
<td>Exposure Control</td>
<td>Auto / Manual</td>
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<tr>
<td>WDR</td>
<td>Yes</td>
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<tr>
<td>3D NR</td>
<td>Yes</td>
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<tr>
<td>Image Flip</td>
<td>Yes</td>
</tr>
<tr>
<td>AR/VR Systems</td>
<td>FreeD</td>
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<tr>
<td>Tally Light</td>
<td>Yes</td>
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<tr>
<td>Network</td>
<td>NDIIH/RTSP/RTMP/RTMPS/MPEG-TS/SRT</td>
</tr>
<tr>
<td>IP Protocol</td>
<td>PoE+ (IEEE802.3at)</td>
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<tr>
<td>PoE</td>
<td>16W</td>
</tr>
</tbody>
</table>

Output

- HDMI / 3G-SDI: 2160p29.97
- IP Stream: NDI: H.264 4K 29.97fps
- IP Compression: H.264
- Pan & Tilt
  - Panning Angle: +170° ~ -170°
  - Panning Speed: 300°/ sec
  - Tilting Angle: +90° ~ -30°
  - Tilting Speed: 300°/ sec
  - Preset Positions: 256

Audio

- Audio Input: Line In/Mic In
- Audio Output: Ethernet / SDI / HDMI
- Audio Compression Format: G.711

Camera Control

- Interface: RS-232 / RS-422 / Ethernet / Remote
- Protocol: VISCA / VISCAIP / PELCO D / NDI / ONVIF

General

- DC In: 12V +/- 20%
- Power Consumption: PoE: 18W
- DC In: 16W
- Weight: 2 kg (4.4 lbs)
- Dimensions: 174 x 190 x 187 mm

I/O Connections

- RS-232 Output
- RS-232 Input
- 3G-SDI Output
- HDMI Output
- DC 12V Input
- NDI/HX
- PoE
- Audio In
- Output Switch

Compatible Software

- livestream
- TriCaster®
- vMix
- streamlabs

Open Broadcasting Software

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*The warranty policy may be different depending on the sales region, please contact your local salesperson.

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