4K Ultra HD NDI Camera

Key Features
- 4K Ultra HD image, with resolution up to 4K@60fps
- 12x optical zoom lens, with 80.4° FOV without distortion
- Fast, accurate and stable auto focus
- Low Noise and High SNR
- 4K output through LAN, HDMI and USB 3.0
- Multiple Audio/Video Compression Standard
- Multiple Control port and control protocol
- Multiple Network Protocol include RTMP, RTP, NDI, VISCA

Specification

<table>
<thead>
<tr>
<th>Connectors</th>
<th>Video (Output)</th>
<th>Audio Input</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI</td>
<td>1+HDMI-A</td>
<td>1×3.5mm Stereo Jack</td>
<td>RS232 In/Out</td>
</tr>
<tr>
<td>USB3.0</td>
<td>1+USB-B</td>
<td>1080p@25/30/50/60</td>
<td>RS422 (RS485)</td>
</tr>
<tr>
<td>LAN</td>
<td>1×RJ45</td>
<td>1×4Pin Terminal</td>
<td></td>
</tr>
</tbody>
</table>

Performance

<table>
<thead>
<tr>
<th>Camera</th>
<th>Optical Zoom</th>
<th>Focus</th>
<th>View Angle</th>
<th>Effective Pixels</th>
<th>Aperture</th>
<th>Minimum Illumination</th>
<th>DNR</th>
<th>White Balance</th>
<th>Focus Mode</th>
<th>Exposure Mode</th>
<th>Shutter Speed</th>
<th>Dynamic range</th>
<th>SNR</th>
<th>Video Adjustment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12X</td>
<td>F=3.85 mm ~ 43.06 mm ±5%</td>
<td>Horizontal: 7.59°(tele) ~ 80.4°(wide)</td>
<td>8.51μm,16:9</td>
<td>F1.8 ~ F3.56±5%</td>
<td>0.05 lux (F1.8, AGC ON)</td>
<td>2D &amp; 3D DNR</td>
<td>Auto/Manual/One Push/Specified color temperature</td>
<td>Auto/Manual/One Push</td>
<td>Auto/Manual/Shutter Priority/In/Out/White Balance Priority</td>
<td>1/25 ~ 1/10000</td>
<td>OFF/Dynamic level adjustment</td>
<td>ON/OFF</td>
<td>Brightness/Color/Saturation/Contrast/Sharpness/B/W mode/Gamma curve ±50dB</td>
</tr>
</tbody>
</table>

Pan-and-Tilt Parameter
- Pan/Tilt Rotation: -110° ~ +110°/30° ~ +30°
- Pan/Tilt Control Speed: 0.1 ~ 100°/s; 0.1 ~ 70°/s
- Preset Speed/Numbers: Pan:100°/s, Tilt:70°/s; Up to 255 preset positions (10 remote control)

Audio Compression Format: AAC, MP3, G.711 A

Video Compression Format: LAN/H.264, H.265, YUY2, NV12

Output Resolutions
<table>
<thead>
<tr>
<th>HDMI</th>
<th>SMPTE</th>
<th>USB 3.0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>720p@50/60</td>
<td>1080p@50/60</td>
</tr>
<tr>
<td></td>
<td>1280@25/30</td>
<td>1280@25/30</td>
</tr>
<tr>
<td></td>
<td>1080@25/30</td>
<td>1080@25/30</td>
</tr>
</tbody>
</table>

Control Protocol
- VISCA
- Pelco-D
- Pelco-P

Baud Rate(bps)
- 115200
- 9600
- 4800
- 38400bps

Network Protocol
- RTSP
- RTMP
- ONVIF
- GB/T28181
- NDI
- VISCA

Power
- Input Voltage: DC12V
- Max Power: 12W

Environment
- Temperature: -10℃ ~ 50℃
- Humidity: 20% ~ 80%

Physical
- Weight
  - Net: 1.7kg
  - Package: 3.5kg
- Dimension
  - Net: 220mm×144mm×159mm
  - Package: 275mm×260mm×350mm

Order Codes

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR1-0011-10-0</td>
<td>RGB12X-UNDI-WH 4K Ultra HD NDI Camera</td>
</tr>
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</table>

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