CV190 Multi-interface to SDI Video Converter

CV190 is a broadcast level multifunctional video converter which can convert HDMI, VGA and AV(CVBS) to SDI with functions of framerate/resolution conversion, image scaling up/down, color conditioning, image enhancement and adjustment, and supports two channels of SDI signals output simultaneously.

Descriptions

- Multi-interface to SDI
- 1 input and 2 outputs
- High quality 10bit YUV4:2:2
- Color adjustment
- 24h continuous working
- Framerate/ resolution conversion
Applications

Kiloview CV190 video converter is suitable for the applications that need to convert HDMI/VGA/AV(CVBS) to SDI signal, such as broadcast, video teaching and training, HD video information release, HD video long-distance transmission, video conferencing, multimedia advertising and video security monitoring etc.

Advantages

High compatibility, wide application
- HDMI, VGA and AV(CVBS) signals can be manually specified or automatically identified;
- It supports HDMI audio un-embedded/analog audio input, and making audio embedded into SDI signal;
- SD/HD/3G SDI output supported, supports 2 channels SDI output simultaneously;
- Integrated with enhanced SDI line driver, to ensure SD/HD/3G-SDI transmission distance up to 400m/200m/100m, under Belden 1694A and same cable quality conditions;
- Advanced setting or firmware upgrade is available by connecting PC via USB.

High quality image conversion and image enhancement processing, making sure the image quality to broadcast level
- High quality 10bit YUV4:2:2 conversion, ensuring the color without distortion;
- Professional color adjustment, 3D noise reduction, progressive/interlace video conversion, video scaling up/down and framerate conversion etc, which can guarantee the professional image conversion quality;
- Blue screen display while signal loss.

High quality, 24h continuous working mode
- High quality chips, capacitors, PCB board, interface adopted to ensure the stability of the device, making 24h continuous working available;
- EMC and HDMI test passed, high compatibility and reliability.
## Parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>CV190</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>1<em>HDMI, 1</em>VGA, 1<em>BNC AV(CVBS), 1</em>3.5mm dual channel analog audio (1Vp-p)</td>
</tr>
<tr>
<td>Output</td>
<td>2*BNC-SDI (SD/HD/3G)</td>
</tr>
<tr>
<td>Input format</td>
<td>HDMI: 480i, 576i, 480p, 576p, 720p@50/59.94/60, 1080i@50/59.94/60, 1080p@24/25/29.97/30, 1080p50/59.94/60, compatible with VGA format, up to 1920x1080@60Hz; VGA: up to 1920x1080@60Hz, support all VESA standard resolution and common non-vesa resolution; YPbPr (using VGA-YPbPr), support 720p50/59.94/60, 1080i50/59.94/60 and 1080p24/25/29.97/30/50/59.94/60; AV (CVBS): PAL (576i)/NTSC (480i).</td>
</tr>
<tr>
<td>SDI transmitting distance</td>
<td>SDI transmitting distance Belden 1694A: SD-SDI 400m, HD-SDI 200m, 3G-SDI 120m.</td>
</tr>
<tr>
<td>Framerate/resolution conversion</td>
<td>Support</td>
</tr>
<tr>
<td>Audio embedding</td>
<td>Support</td>
</tr>
<tr>
<td>Management</td>
<td>Remote control/ PC connection with USB</td>
</tr>
<tr>
<td>Power supply</td>
<td>12V, 1A</td>
</tr>
<tr>
<td>Consumption</td>
<td>4w</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>-20~60°C</td>
</tr>
<tr>
<td>Dimension</td>
<td>120<em>100</em>26mm (4.72<em>3.94</em>1.02” )</td>
</tr>
<tr>
<td>Weight</td>
<td>315g (11.1oz)</td>
</tr>
</tbody>
</table>