CE310B
SD PCIe Video Capture Card

Introduction
The CE310B is a PCIe capture card equipped with composite, s-video and stereo audio inputs to digitize analog video into uncompressed video at 25/30 fps for a wide range of SD resolutions. Supporting PAL, NTSC video standards, the CE310B is a must have for professionals requiring capture, edit, and backup solutions for analog video.

The CE310B features 3D Y/C video separation technology to enhance the resolution and eliminate Cross-Color Artifact and Cross-Luminance issues resulting in a clearer, sharper image with brighter and more accurate color providing unprecedented video quality. The SDK package with its wide range of comprehensive features makes it possible to develop definitive applications to meet specific implementation requirements.

Outstanding 3D Y/C separation
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Capture and digitize NTSC/PAL analog video signal
The CE310B is a PCIe capture card equipped with composite, s-video and stereo audio inputs to digitize analog video into uncompressed video at 25/30 fps for a wide range of SD resolutions. Supporting PAL, NTSC video standards, the CE310B is a must have for professionals requiring capture, edit, and backup solutions for analog video.

Features
• Outstanding 3D Y/C separation
• Supports uncompressed video capture in AVI or WMV format
• Capture and digitize NTSC/PAL analog video signal
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Connection Diagram

Specifications

<table>
<thead>
<tr>
<th>Host Interface</th>
<th>PCIe x1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio Interface</td>
<td>Composite / S-Video</td>
</tr>
<tr>
<td>Audio Format</td>
<td>PCM</td>
</tr>
<tr>
<td>Audio Sampling Rate</td>
<td>48KHz, 16bit</td>
</tr>
<tr>
<td>Connector Type</td>
<td>Composite</td>
</tr>
<tr>
<td>Input Interface</td>
<td>Composite</td>
</tr>
<tr>
<td>Video Format</td>
<td>YUY2 (4:2:2), RGB24(Supported by SDK)</td>
</tr>
<tr>
<td>Color Depth</td>
<td>8 bit</td>
</tr>
<tr>
<td>Channel No.</td>
<td>1 Ch</td>
</tr>
<tr>
<td>Max. Input Resolution</td>
<td>NTSC / PAL</td>
</tr>
</tbody>
</table>

Max. Recording Resolution: NTSC / PAL
Encoding Mode: Software Encoding
Multi-Card Support: Yes
Multi-Channel Support: No
Supported OS: Windows 7/8.1/10 (32/64 bits), Linux (32/64 bits)*
Form factor: Low Profile
Dimension (L x W): 93.5mm X 68.7mm
Power requirements: +3.3V max @ 3A
Operating Temperature: 0°C – 65°C
Operating Humidity: 0 – 80% Relative Humidity
Safety Certification: FCC / CE

* Linux Services
• Support Linux kernel 2.6.14 version and later based on V4L2 & ALSA framework
• Driver customization service by request

Versatile SDK
AVerMedia software development kit (SDK), a set of development tools that allows a software engineer to seamlessly integrate video capture modules into application specific systems. Available upon request are the SDK Basic, SDK Pro and to better match each applications specific requirements a premium add-on kit.

Ordering Information

• CE310B: SD PCIe Video Capture Card
• Accessories
  – Low Profile Bracket
• SDK kits
  – SDK Basic
  – SDK Pro (Optional)
• Premium add-on kits (Optional)