

# AVerMedia

## CE310B

### SD PCIe Video Capture Card



#### Features

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

#### 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

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.

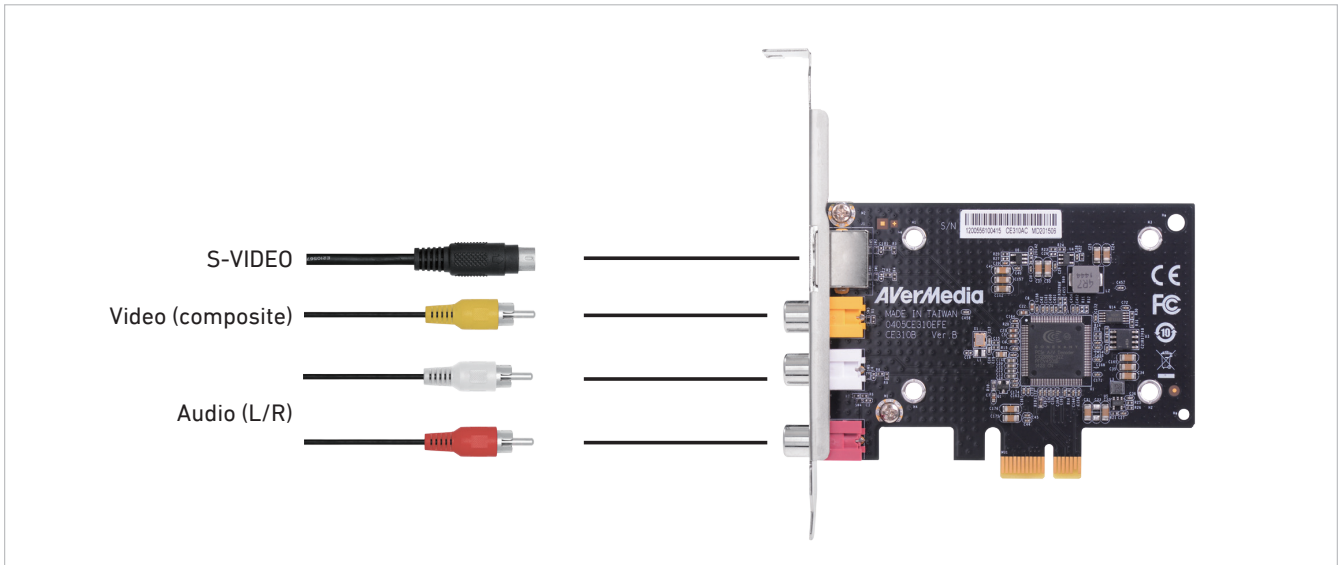
#### Capture and digitize NTSC/PAL analog video signal

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.

## CE310B

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### Connection Diagram



### Specifications

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

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)

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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