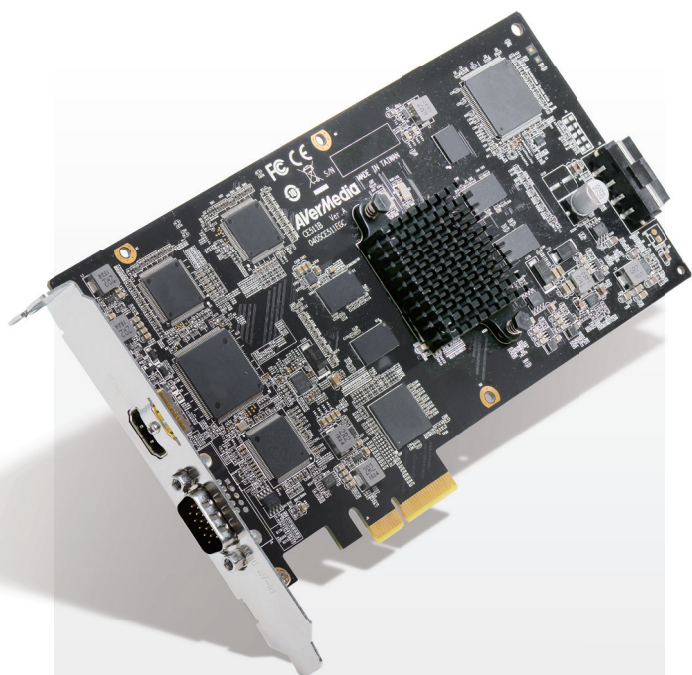


CE511-MN

4K HDMI 2.0 Hybrid PCIe Capture Card



Features

- Multiple input sources:
 1. HDMI + embedded audio
 2. Component / S-Video / Composite / L/R audio
- Real-time uncompressed video capturing
- Low latency (< 50ms)
- Max resolution up to 4K (3840 x 2160 60fps)
- Hardware up/downscaling, de-interlacing, color space convert
- Automatic detection of input signals
- SG-DMA data transfer
- Multiple devices on one host
- Simultaneous digital and analog video capturing

Introduction

The CE511-MN hybrid PCIe Gen2 x4 capture card is a complete and flexible solution for digital and analog video capturing. Supporting HDMI 2.0 standard, the CE511-MN enables uncompressed and lossless real-time 4K (3840 x 2160 60 fps) video capturing. Seamless integration in vertical applications, such as: professional videoconferencing, broadcasting and digital signage which require super high video quality is easy through the use of the AVerMedia SDK. Windows and Linux driver support is included making the CE511-MN the best choice for all your capturing needs.

Real-time 4K 60 frames per second video capturing

Supporting the latest HDMI 2.0 standard, the CE511-MN is able to transmit 4K lossless video data through its PCIe Gen2 x4 data bus at an amazing 60 frames per second. With a 3840x2160 ultra high video resolution and 60 frames per second capture rate, the CE511-MN can record the smallest details and capture fast motion for a remarkable and smooth playback.

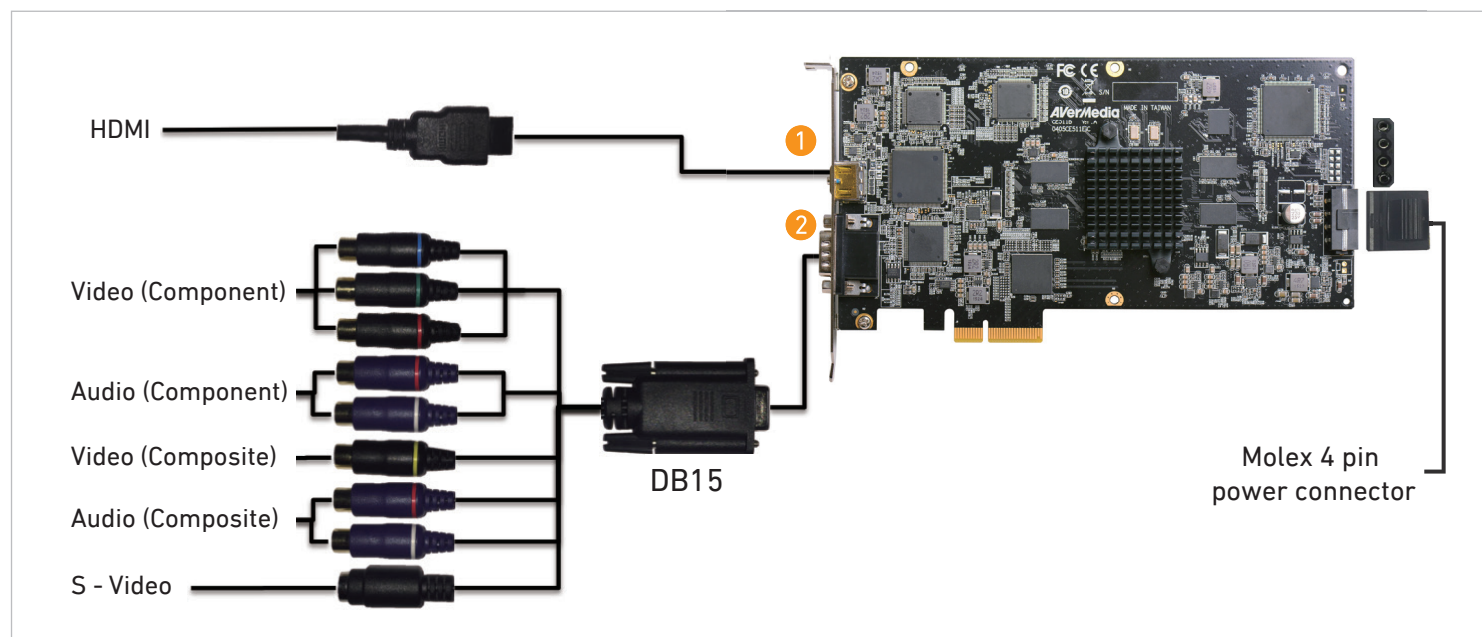
Multiple Video Input interfaces

The CE511-MN is equipped with video interfaces for legacy analog connections (Component, Composite, S-Video) and the highest quality HDMI 2.0. This means that the CE511-MN is compatible with most video devices and simplifies the capture of a wide variety of analog and digital sources.

Hardware Scaling, De-Interlacing and Color Space Conversion

AVerMedia hardware-based video engine technology implements the most useful video processing functions, including de-interlacing for a sharper image and color space conversion for more true-to-life video color and scaling. This can help to reduce the computing burden on hardware and software in order to focus on other important parts of applications on hand.

Connection Diagram



Specifications

Host Interface	PCIe Gen2 x4
Audio Interface	HDMI, Component L/R, Composite L/R
Audio Format	PCM
Audio Sampling Rate	32KHz, 44.1KHz, 48KHz
Connector Type	1. HDMI 2. DB15
Input Interface	HDMI Component Composite S-Video
Video Format	YUV 4:2:2, RGB24
Color Depth	8-bit
Max. Input Resolution	3840 x 2160 60fps
Max. Capturing Resolution	3840 x 2160 60fps
Channel No.	1 Ch HDMI 2.0 + 1 Ch Multiple Interfaces
Encoding Mode	Software Encoding

Low Latency	< 50ms
Multi-Channel Support	Yes
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bits) *
Form Factor	PCIe Gen2 x 4 High Profile
Dimension (L x W)	200 mm x 100 mm
Power Consumption	12W
Power Requirements	12V (Molex 4 pin peripheral power connector)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 40°C
Safety Certification	CCC / 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 premium add-on kits.

Ordering Information

- CE511-MN : Hybrid PCIe Capture Card
- Accessories
 - DB15 Breakout Cable
 - Quick Installation Guide
 - Installation CD
- SDK Kits
 - SDK Basic
 - SDK Pro (Optional)
 - Premium Add-on Kits (Optional)