CE330B
Full HD HW H.264 PCIe Capture Card

Features

- Input video source HDMI
  (Pass-through from HDMI input)
- Input audio source 3.5mm Stereo Audio
  (Pass-through from 3.5mm audio input)
- Hardware H.264 encoding
- Max. input resolution 1920 x 1080 60fps
- Max. capturing resolution 1920 x 1080 30fps

Introduction

The CE330B Full HD HW H.264 PCIe capture card is a complete and flexible solution for digital video and audio capturing. Supporting HDMI 1.4a standard, the CE330B enables compressed and Lossless Full HD (1920 x 1080 30 fps) video capturing. Seamless integration in vertical applications, such as: video wall, digital signage, Kiosk which require high video quality is made easy through the use of the AVerMedia SDK. Windows and Linux driver support is included making the CE330B the best choice for your digital capturing needs.

Hardware H.264 Compression

The CE330B is equipped with an advanced built-in H.264 hardware encoder, which enables the system to encode without impacting the CPU's computing power but still maintain high quality video. This feature will help balance the loading and will increase the system's reliability. As a result, the CE330B will significantly assist to reduce the computing efforts on hardware and software in order to focus on other important parts of application in hand.

Pass-through

The CE330B offers HDMI input and output allowing for an extra monitor for live previewing. It eliminates the need for an additional video splitter to achieve identical functionality. The pass-through function guarantees a smooth playback even while recording, which typically requires considerable CPU usage with a regular PC.
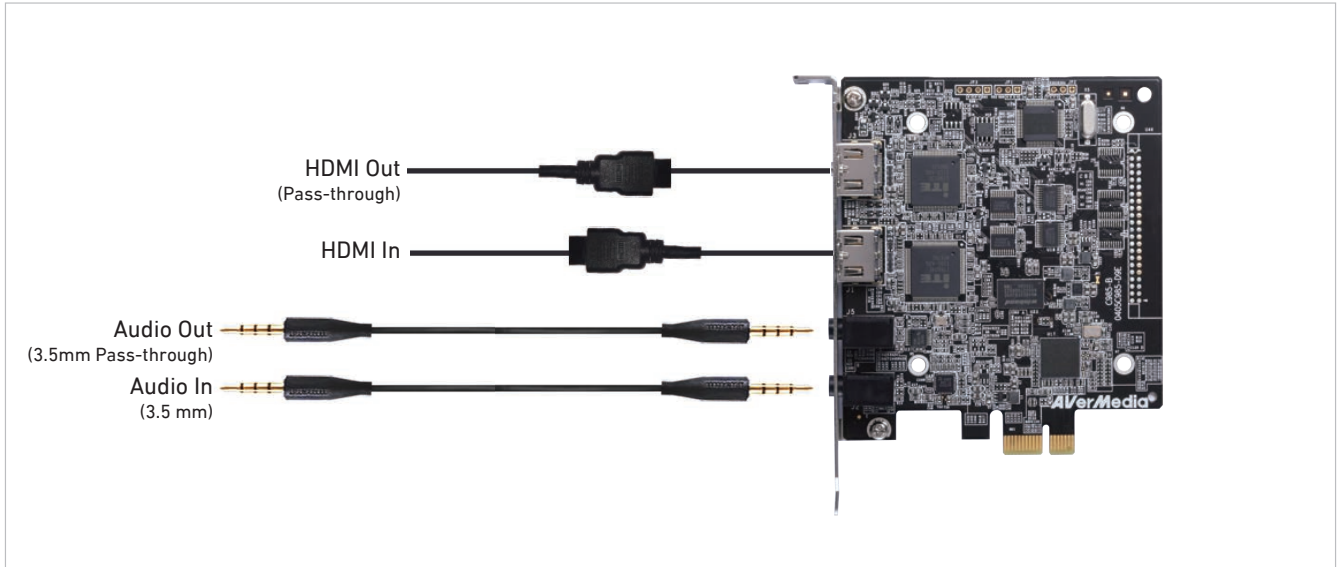
Audio & Video Sync.

To enhance playback experience and flexibility the CE330B is able to capture both audio and video from different sources and combine them without AV-sycn error. Making it an ideal solution for applications that require the capture of video and audio sources with perfect synchronization to ensure outstanding content quality.

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Connection Diagram

HDMI Out
(Pass-through)

HDMI In

Audio Out
(3.5mm Pass-through)

Audio In
(3.5 mm)

Specifications

Host Interface	PCIe Gen 1 x 1
Audio Interface	HDMI 3.5mm jack
Audio Format	PCM
Audio Sampling Rate	32KHz, 44.1KHZ, 48KHz
Connector Type	HDMI type A 3.5mm jack
Input Interface	HDMI 3.5mm jack
Video Format	YUV
Color Depth	8 bit
Channel No.	1 Ch
Max. Input Resolution	1920 x 1080 60fps
Max. Capturing Resolution	1920 x 1080 30fps

Encoding Mode	Hardware Encoding (H.264)
Multi-Card Support	Yes
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bit)
Form factor	Full Height
Dimension (L x W)	90.3 x 102 mm
Power Consumption	5W
Operating Temperature	0°C ~ 40°C
Operating Humidity	5% - 80% Relative Humidity
Cooling system	N/A
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 premium add-on kits.

Ordering Information

- CE330B : Full HD HW H.264 PCIe Capture Card
- 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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