

AVerMedia

CE314-HN

Quad-Channel Full HD HDMI PCIe Capture Card



Features

- 4-channel max. input 1920 x 1080@60fps
- 4-channel max. capturing 1920 x 1080@30fps
- 2-channel max. capturing 1920 x 1080@60fps
- Hardware de-interlacing
- Hardware color space conversion
- Hardware scaling

Introduction

CE314-HN is a PCIe Gen1 x4 capture card equipped with 4 HDMI channels with embedded audio input. With its HDMI video source input it is able to support astounding uncompressed real-time video capturing up to full HD resolution (1920 x 1080 60fps). Along with AVerMedia proprietary SDK, it can be easily and seamlessly integrated into several vertical applications that require superb video quality such as education, IP cam, broadcasting, surveillance, etc. Utilizing software encoding, it offers users the customization ability to tweak or modify codecs' decompression and compression settings for optimum bit-rate or video quality. With AVerMedia Windows and Linux driver support, clients are able to choose from a wide range of platforms according to your needs; making the CE314-HN the best choice for all full HD professional capturing applications.

4-channel Concurrent Video Capture

Compare to single or dual channel capture cards, CE314-HN's quad channel HDMI video capture interfaces offer more flexibility and versatility on a single card. With 4 channels simultaneous input, CE314-HN is powerful enough to provide concurrent capture of all 4 video channels in full HD quality.

Hardware Scaling, De-Interlacing and Color Space Conversion

AVerMedia hardware-based video engine technology implements practical video processing functions such as de-interlacing for a sharper image, color space conversion for more true-to-life video color and resolution scaling. The functions help reduce the computing burden on hardware and software in order to focus on other important applications at hand.

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Connection Diagram



Specifications

Host Interface	Gen1 x 4
Audio Format	PCM
Audio Sampling Rate	32KHz, 44.1KHz, 48KHz
Connector Type	HDMI Type A
Input Interface	HDMI
Video Format	YUY2
Color Depth	8 bit
Channel No.	4
Max. Input Resolution	1920 x 1080@60fps
Max. Capturing Resolution	4-CH 1920 x 1080 @30fps 2-CH 1920 x 1080 @60fps

Encoding Mode	Software Encoding
Multi-Card Support	Yes
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bit)*
Form factor	PCIe
Dimension (L x W)	138 x 105 mm
Power Consumption	10.7W
Operating Temperature	0°C ~ 60°C
Operating Humidity	5% - 80% Relative Humidity
Safety Certification	FCC / CE

All specifications are subject to change without notice.

*** Linux Services**

- For availability on driver versions, please [contact us](#)
- Driver customization service by request

Versatile SDK

AVerMedia [software development kit \(SDK\)](#) is a set of development tools that allows software engineers to seamlessly integrate video capture modules into application specific systems. SDK Pro and SDK Premium are available upon request, they offer professional grade functionalities to better match each application's specific requirements.

Ordering Information

- [CE314-HN](#): Quad Full HD HDMI PCIe Capture Card
- [SDK kits](#)
 - SDK Basic
 - SDK Pro
 - SDK Premium add-on kits

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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