

# AVerMedia

## CL334-SN

### Quad SDI Full HD HW H.264 PCIe Capture Card



### Features

- Max input resolution 1920 x 1080 60fps
- Max capturing resolution 1920 x 1080 30fps
- Hardware H.264 encoding
- Low profile design
- Low latency
- Mini BNC connector
- Hardware de-interlacing
- Hardware color space convert

### Introduction

CL334-SN is a PCIe Gen1x4 capture card equipped with 3G-SDI with embedded audio inputs via mini BNC connectors for a more secure cable connection. With its 3G-SDI video source input it is able to support astounding compressed video capturing of up to Full HD (1920 x 1080 60fps). Along with AVerMedia proprietary SDK, it can be easily and seamlessly integrated into several of vertical applications, which require superb video quality such as IP cam, broadcasting, surveillance, etc. With AVerMedia Windows and Linux driver support, clients are able to choose from a wide range of platforms according to each specific need; making the CL334-SN the best choice for all Full HD professional capturing applications.

### Hardware H.264 Compression

The CL334-SN 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 CL334-SN will significantly assist to reduce the computing efforts on hardware and software in order to focus on other important parts of application in hand.

### Low Profile Form Factor Design

Suitable for small-footprint embedded platform. The low profile form factor compact design provides a better use of internal space, reduces the system cable routing. It increases the use of interior space for a more flexible heat spreading solution.

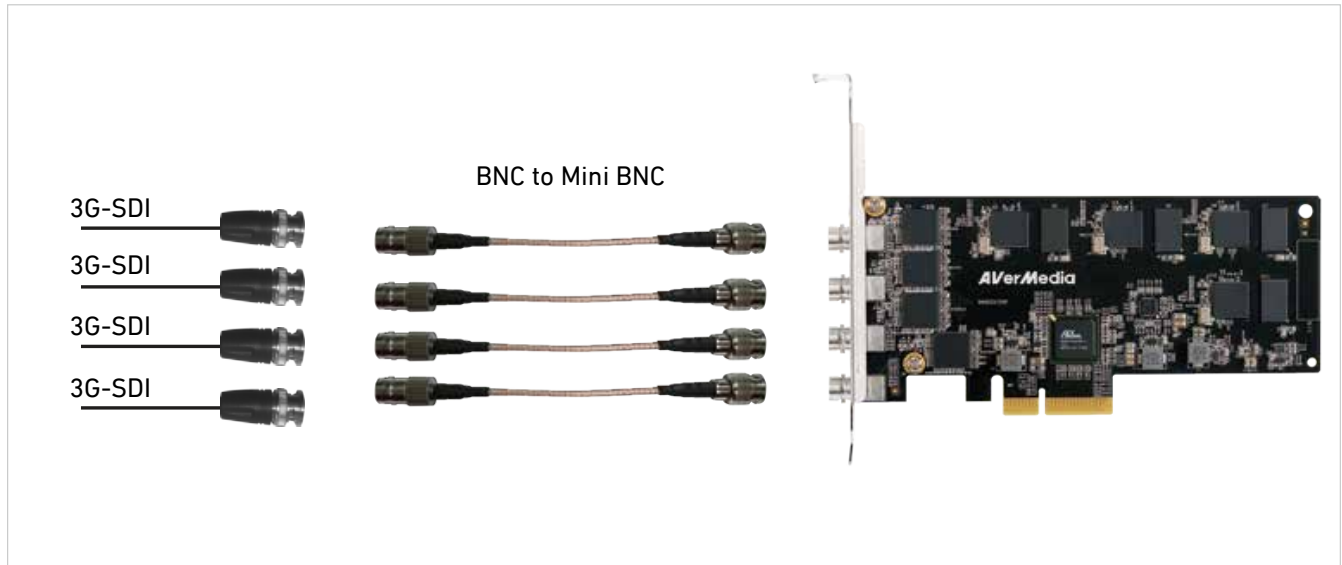
### Hardware de-interlacing and color space conversion

AVerMedia hardware-based video engine technology implements the most useful video processing functions, including de-interlacing and color space conversion. This can significantly help you reduce the computing burden on software and hardware, which allows you to focus on other important parts of your application.

## CL334-SN

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### Connection Diagram



### Specifications

|                           |                       |
|---------------------------|-----------------------|
| Host Interface            | PCIe Gen 1 x 4        |
| Audio Interface           | SDI embedded audio    |
| Audio Format              | PCM                   |
| Audio Sampling Rate       | 32KHz, 44.1KHz, 48KHz |
| Connector Type            | Mini BNC              |
| Input Interface           | Mini BNC              |
| Video Format              | YUV2 RGB24 RGB32      |
| Color Depth               | 8-bit                 |
| Channel No.               | 4 Ch                  |
| Max. Input Resolution     | 1920 x 1080 60fps     |
| Max. Recording Resolution | 1920 x 1080 30fps     |

|                       |  |
|-----------------------|--|
| Encoding Mode         | Hardware Encoding (H.264)                        |
| Multi-channel Support | Yes  |
| Multi-card Support    | Yes  |
| Supported OS          | Windows 7/8.1/10 (32/64 bits), Linux (32/64 bit) |
| Form factor           | Low Profile                                      |
| Dimension (L x W)     | 145 x 68.78 mm                                   |
| Power Consumption     | 5W   |
| Operating Temperature | 0°C ~ 65°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), 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

- **CL334-SN**: Quad Full HD HW H.264 PCIe Capture Card
- **Accessories**
  - Standard BNC to Mini BNC adapter cable
- **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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