

AVerMedia

CD311

HDMI/VGA Full HD Capture Card



Features

- Max input resolution 1920 x 1080 60fps
- Max capturing resolution 1920 x 1080 30fps
- Low profile design
- PCIe capture card with Gen2 x1 interface
- Real-time video capture
- Low latency

Introduction

The CD311 with Gen2 x1 interface is one of the leading HD PCIe capture card on the market. Its astonishingly low latency renders video capture effortless and seamless, with HDMI and VGA input up to 1920 x 1080 at 60fps. Recording formats – ranging from AVI, WMV, MPG, or MP4 – allow different encoding parameters to be saved as different profiles and with custom recording time length. The entire AVerMedia Capture Studio suite comes included for greater customization and adaptability.

Low latency

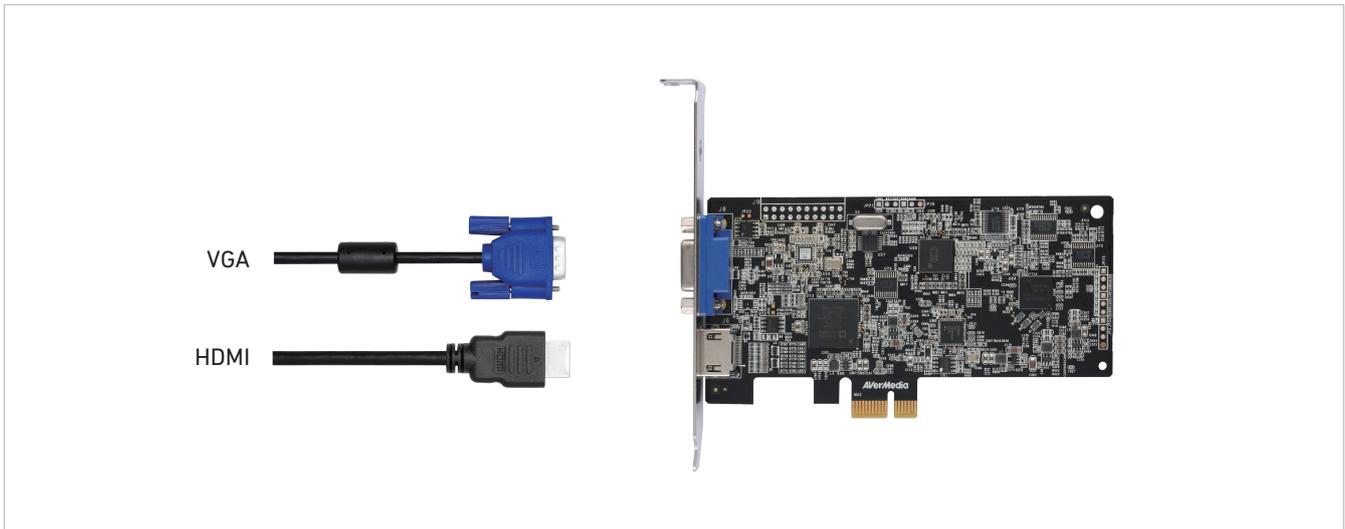
The CD311 guarantees real-time results with low latency: content input means instant viewing. Low latency from the moment the video source is captured, encode and transmitted. This low latency is particularly beneficial for applications that require real-time solutions.

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.

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Connection Diagram



Specifications

Host Interface	PCIe Gen2 x1
Audio Interface	HDMI (1.3/ HDCP 1.3)
Audio Format	PCM
Audio Sampling Rate	Audio L/R: 48KHz, 16bit HDMI: 32KHz/44.1KHz/48KHz, 16bit
Connector Type	HDMI VGA
Input Interface	HDMI VGA
Preview Video Format	YUY2 (4:2:2)
Record Video Format	AVI: YUY2 (4:2:2) MP4, WMV: YUY2 (4:2:0)
Color Depth	8 bit
Channel No.	1 Ch
Max. Input Resolution	1920 x 1080 60fps

Max. Recording Resolution	1920 x 1080 60fps
Encoding Mode	Software encoding
Multi-Card Support	No
Multi-Channel Support	No
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bits)*
Form factor	PCIe Gen2 x1
Dimension (L x W)	125 x 65mm
Power requirements	+3.3V max @ 3A +12V max @ 0.5A
Operating Temperature	0°C ~ 65°C
Operating Humidity	0 ~ 80% Relative humidity

*** Linux Services**
• For availability on driver versions, please [contact us](#)

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

- CD311 : HDMI / VGA HD 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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