

AVerMedia

CD530

DVI/HDMI/VGA PCIe Capture Card



Features

- Flexible I/O design:
 - DVI-I
 - HDMI
 - VGA
- Supports VESA resolution up to 1920 x 1200
- Supports pixel rates up to 162 MHz
- Max. capturing frame rate 60fps
- Auto-signal detection
- Auto-signal adaption
- Hardware up/down scaling and de-interlacing
- Customizable resolution tool

Introduction

CD530 is a raw capture card for grabbing various video formats from DVI, VGA and HDMI interfaces. Through its PCIe Gen2 x1, CD530 enables high data throughput and supports resolution of up to 1920 x 1200p at 60fps, while simultaneously displaying video without latency. CD530 high signal adaptation capability allows for complete customization of any resolution under 1920 x 1200p for capturing through the AVerMedia proprietary resolution adjustment tool. 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 CD530 the best choice for all Full HD professional capturing applications.

Tailor Customization

Compatible with all standard and non-standard signal resolutions in order to meet the needs of the various areas of video capture. Impressive cutting edge technology available in the CD530 is now revolutionizing the way that businesses perform the task of capturing video. CD530 works with any video resolution under 1920 x 1200 and supports pixel rates up to 162MHz for full signal compatibility. Users do not need to consider whether the capture card supports special resolutions prior to use.

Automatic detection and adaptation

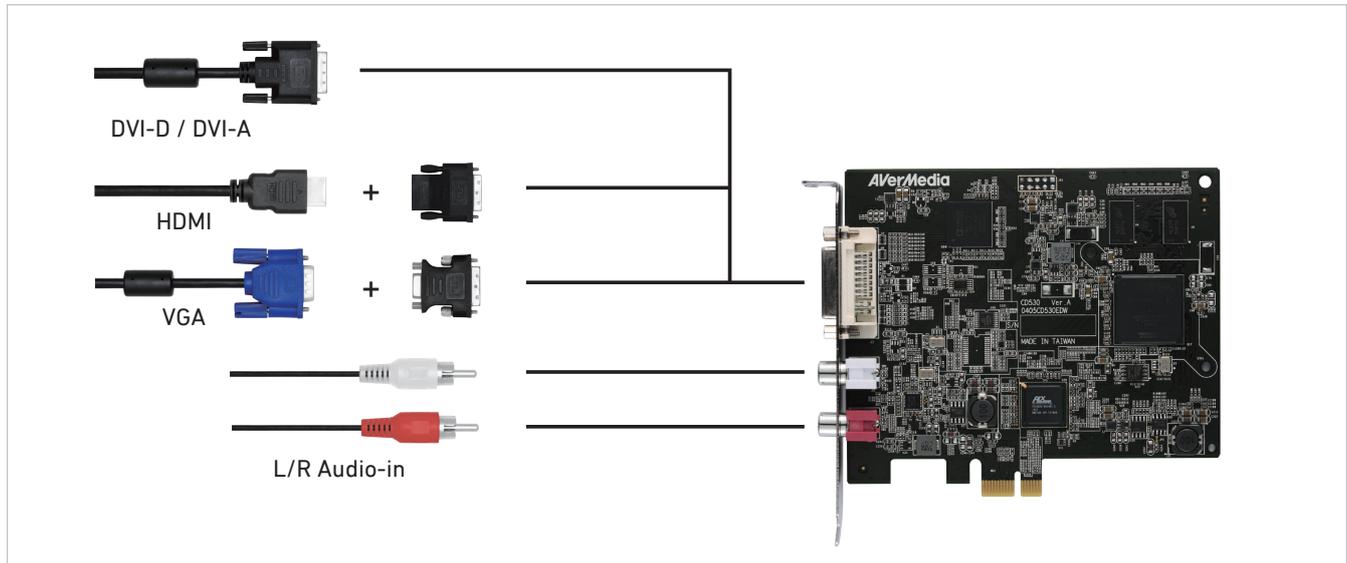
It's simple to set up with no cumbersome installations procedures. Connect the signal cable, and run the software to edit. Automatically detect the input signal resolution and adjust scaling capture resolution to the current setting.

Resolution Adjustment Tool

The Impressive cutting edge technology available in the CD530 is now revolutionizing the way that businesses perform the task of capturing video. The resolution adjustment tool supports output positioning and pixel rate selection of up to 1920 x 1200 60 fps and 162 MHz, taking the integration of the device into the workflow a step further. Specifically, the CD530 gives the capability to maximize the capturing process to include standard and customized sources all under one device.

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Connection Diagram



Specifications

Host Interface	PCIe Gen2 x 1
Audio Interface	HDMI L/R
Audio Format	PCM
Audio Sampling Rate	Audio L/R: 48KHz, 16bit HDMI: 32KHz/44.1KHz/48KHz, 16bit
Connector Type	DVI-I RCA(L/R)
Input Interface	HDMI DVI VGA
Video Format	YUY2 (4:2:2) RGB24(Supported by SDK)
Color Depth	8 bit
Channel No.	1 Ch
Max. Input Resolution	1920 x 1200 60fps

Max. Capturing Resolution	1920 x 1200 60fps
Encoding Mode	Software Encoding
Multi-Card Support	Yes
Supported OS	Windows 7/8.1/10 (32/64 bits), Linux (32/64 bits) *
Form factor	PCIe Gen2 x 1 Full-height
Dimension (L x W)	137.9 mm x 125.1 mm
Power requirements	+3.3V max @ 3A +12V max @ 0.5A
Operating Temperature	0°C ~ 65°C
Operating Humidity	0 ~ 80% Relative humidity
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

- CD530: DVI/HDMI/VGA PCIe Capture Card
- Accessories
 - HDMI to DVI Adapter
 - VGA to DVI Adapter
- 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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