Frame Grabber

Industrial Computer Source (Deutschland) GmbH

Application - Embedded Solutions

Embedded System

AVerMedia Mini PCIe and M.2 Video Capture Card Series are the perfect choice used in the small form-factor embedded systems. C353/C353W and CM313B/CM313BW of this series are specially equipped with the high-performance hardware encoder (and software encoder) to work with HDMI/VGA/3G-SDI video and audio input. AVerMedia Mini Video Capture Card Series are designed with the complete system in mind. The compact size, flat connector, and integrated heat sink are adapted particularly to the embedded system application of transportation, defense, aerospace, and surveillance.

Wide Temperature	Reliability	HW Encode
AVerMedia provides a complete wide-temperature solution, especially suitable for military and industrial applications, and perfectly compatible with fanless platforms	AVerMedia products have passed rigorous quality assurance tests, to guarantee the frame grabber can resist 24/7 non-stop operations.	With the encoder chip built in, it highly reduces system resources and power consumption by embedded platforms while recording or streaming.

C351/C351W

C353/C353W

CM313B/CM313BW

CM311-HN

CN331-H

CN311-H

CN312MN

Automated Inspection

High-Definition Multimedia Interface (HDMI) has been implemented broadly in billions of devices from the personal computers to the typical consumer electronic devices, such as set-top box, media players, and home theaters. Tools to measure the parameters of these devices are required in order to understand if the device is in compliance to the specifications. Operating together with AVerMedia automatic audio/video testing SDK, CE511-HN and CL311-M1 can be connected to the video source to verify the correctness of the video signal against the sample video clip.

Multiple Input Interface	TMDS Signal Detection	SDK support
Multiple capture card designs provide a complete solution to customers with DUT requirements.	CT110 can detect DC level of each pin on HDMI to test the characteristics of the HDMI TMDS signals. This helps to improve quality control of production line as a cost-effective solution.	SDK supports factories to easily and fast implement imaging automation inspection into their production test programs, with inspection efficiency enhanced and manpower reduced.

CD750

CE511-HN

CL311-M1

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Event Broadcasting

AVerMedia offers products that can stream multiple simultaneous outputs in different formats, many also accept multiple inputs. A comprehensive browser-based GUI enhances ease of use and accessibility via intranet or internet. Redundancy and standby features allow you to ensure your broadcast stream never falters, no matter what happens. For development, the full SDK provides a powerful and intuitive API toolkit for customization, with support for multiple programming languages, advanced technologies like HEVC and NDI and powerful features such as logo, text, and image overlay and audio support.

3rd AP support

DirectShow-based application development and Linux driver enhance complete compatibility with 3rd party AP, and let customer simply obtain the desired applications.

Cost-effective

Competitive pricing and product specification help customers to build whole applications easily.

SDK & Capture Studio AP

Rich SDK functions and user-friendly Capture Studio software are easy and quick to utilize for program developers or users.

CD311

CE314-HN

CL311-M2

Medical Imaging

Most of the medical image equipments output non-standard image resolutions, requiring additional proprietary hardware for each device, adding considerably to the expense and complexity of the overall imaging system.
AVerMedia applies its expertise in video processing, hardware and software integration, and product customization to present a single device solution to meet the doctors' and requirements in the hospitals.

Multiple Input Interface

DirectShow-based application development and Linux driver enhance complete compatibility with 3rd party AP, and let customer simply obtain the desired applications.

Customized Video Timing

Competitive pricing and product specification help customers to build whole applications easily.

Color Format/ Depth

Rich SDK functions and user-friendly Capture Studio software are easy and quick to utilize for program developers or users.

Medical SDK support

Offering professional Medical SDK makes special functions ready to provide, such as DICOM format transformation and image conversion of 3D into 2D.

CU511B

CD530

CL311-MN

Coming Soon

CE711MN