ASSURED SYSTEMS

Capture

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AVerMedia EZMaker USB SDK (C039P)

The AVerMedia EZMaker USB SDK is a USB video capture device which has S-Video and composite inputs. The accompanying software development kit provides the often-used functions to help developers or system integrators complete their task easily and efficiently. Even better, it is also compatible with major programming languages such as Visual C++, Visual Basic.

The AVerMedia EZMaker USB SDK guaranties fast response and solid performance with its advanced hardware design and customizable software development kit while promising the ease-of-use user experience. Its S-Video, composite and stereo audio inputs can record videos from various video equipments and digitize the analog videos. Also, its portability makes it the best solution for mobile applications such as mobile monitoring and analysis.

The AVerMedia EZMaker USB SDK supports NTSC, PAL and SECAM video standard that ensures the flexibility and capability of capturing contents from a wide range of video sources. Furthermore, the DirectShow compatibility enables the AVerMedia EZMaker USB SDK natively work with popular professional video editing software. You can capture or edit your own video directly on your familiar software without learning. Even better, AVerMedia has prepared you a comprehensive SDK, which can work with many programming languages, to help you develop the features you need.

The **surveillance system** can benefit from the AVerMedia EZMaker USB SDK for duplicating the video files simultaneously while recording, in order to preserve the recorded files and minimize the risk of missing any critical moment.

The AVerMedia EZMaker USB SDK is adopted by prison and detention facilities. The government sector integrates it to the monitoring system for not only duplicating the interrogation recordings but also achieving them on a cloud server for the purpose of decreasing the potential risk of losing important evidences.

The **mobile analytical laboratory** provides on-site monitoring and analysis, which integrate the AVerMedia EZMaker USB SDK to its analytical instrument. This portable capture card can real-time record the findings from the detector and turns the laptop to the storage. Thus, the analysis and research processes can be more efficient.

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■ AVerMedia SDK Introduction

Various editing | 3rd party codec → Stream to the Internet | Save as a new file | Other usages allowed

● Capture to Buffer

Capturing video by frame for streaming to the Internet or saving as a new file

Further 3rd party codec can be employed

Frame by frame

● Text/ Time/ Image Overlay

Adding graphical/textual overlays or timestamps onto the video enables logos or other images shown on the screen

● Advanced De-interlacing:

Eliminating the visual defects of interlaced video

● Color Adjustment:

Adjusting contrast, brightness and hue of the video

● Downscale Video Size:

Decreasing the video size to reduce CPU usage or to boost the efficiency of broadcasting or streaming

● Record Uncompressed AVI Format:

Save the most detailed data in AVI format that allows other applications.

■ Compatible 3rd-party Software

Adobe Flash Media Live Encoder

Microsoft Expression Encoder

RealProducer

VLC Media Player

■ Specifications

Video Resolution	**NTSC , PAL & SECAM:** 80×60 (NTSC only), 88×72, 128×96, 160×120, 176×144, 240×180, 240×176, 320×240, 352×240, 352×288, 640×240, 640×288, 640×480, 704×576 (PAL, SECAM only), 720×240, 720×288, 720×480, 720×576 (PAL, SECAM only)
Pixel Format	**NTSC:** YUY2 (4:2:2), UYVY (4:2:2) **PAL/SECAM:** YUY2 (4:2:2), UYVY (4:2:2), Y8
Color Adjustment	Brightness, Contrast, Hue, Saturation, Sharpness
Multi-Card Support	Yes
Programming Language	Visual Basic, Visual C++, Delphi
SDK Framework	General DLL
Operating Environment	**Temperature:** 0 to 45 ℃ **Humidity:** 0 to 80% RHNC
Storage Environment	**Temperature:** -30 to 65 ℃ **Humidity:** 0 to 90% RHNC
Power Requirement	5V max 2.06A
Dimensions (mm)	82 (L)*28.49 (W)*14 (H)

■ Input

- **S-Video**
- **Composite (RCA)**
- **Audio R/L**

■ System Requirements

- **For SD Video Capturing (MPEG-2/ H.264 Format)**
  - Intel® Pentium® 4 3.0G (HT)
  - AMD Athlon™ 64 3200+
  - Intel® Pentium® 4 3.0G (HT)
  - Intel® Pentium® Mobile Processor 2.0G or AMD equivalent
- **VGA card with support for DirectX9.0c or above**
- **512 MB RAM or above**
- **USB 2.0 Port**
- **Sound Card**
- **Windows® 7/Vista™/XP (32/64-Bit)**

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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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