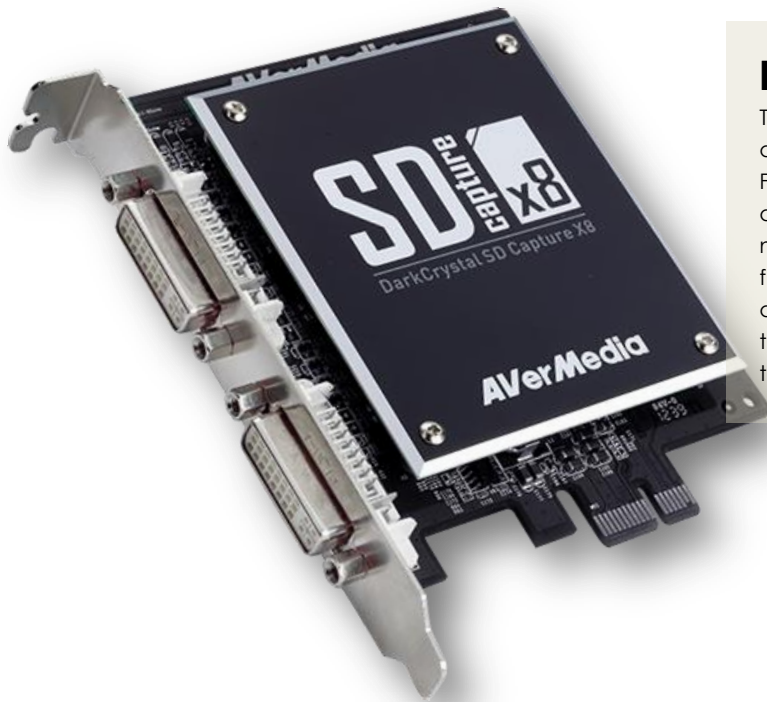# 8-channel Concurrent Capture Solution

DarkCrystal SD Capture x8 (C968)

The DarkCrystal SD Capture x8 is a PCIe capture card which allows you to capture video from 8 SD sources simultaneously. Featuring composite and stereo audio inputs, it helps you to digitize video from analog signals fed by a wide range of multimedia equipment into uncompressed AVI format at 25/30 fps or WMV. Furthermore, the card comes with a software development kit which includes the often used applications that helps developers or system integrators to complete their tasks easily.

Minimize space requirement of the system

The exclusive hardware design of the DarkCrystal SD Capture x8 guarantees fast response and solid performance for the high-density SD capture or encoding demands, in the meanwhile saving the slot on your PC.

8-channel simultaneous video capture

The DarkCrystal SD Capture x8 is capable of preserving up to 8 channels simultaneously from multiple input sources and reducing system costs.

DirectShow & third-party software compatibility

Full DirectShow compatibility enables the DarkCrystal SD Capture x8 to natively work with popular professional video editing software. This feature empowers you to capture or edit your own video directly on the software you are most skilled in without further study.

Compatible third-party software:

- Windows Media Encoder
- Microsoft Express Encoder
- Adobe Flash Media Live Encoder
- Real Producer
- VLC Media Player

Comprehensive SDK included

Even better, AVerMedia has prepared you a comprehensive and powerful SDK, which can work with multiple programming languages to help you easily build the features you need.

■ Applications

The **surveillance system** can benefit from DarkCrystal SD Capture x8 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 **distant learning institutes** can also facilitate the process of conveying different teaching materials to their e-learners by applying DarkCrystal SD Capture x8, which can be connected with document camera or computer to promise a more efficient and precise education quality.

The DarkCrystal SD Capture x8 can handle high-density video capture requested by **video wall** application for eye-catching communication with target audience. The comprehensive SDK included can help you easily create dynamic visual presentations with multiple screens and overlay video windows data from various sources.
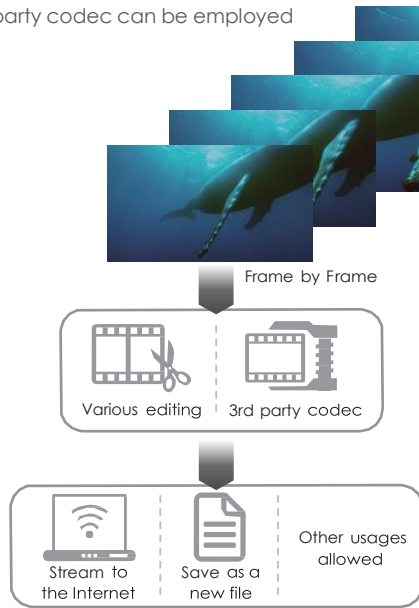
The exclusive hardware design of DarkCrystal SD Capture x8 allows **web broadcasters** to provide more video contents from various sources. With the help of SDK, the web broadcasters can stream multiple videos in most bandwidth-efficient way. Text or image overlay can also be done in few clicks.

SD Capture

AVerMedia

■ AVerMedia SDK Introduction

● 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

Various editing | 3rd party codec

Stream to the Internet | Save as a new file | Other usages allowed

● Text/Time/Image/Video 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

● Upscale Video Size

● Video Horizontal/Vertical Mirror

● Available in AVI and WMV format:

Recording video in uncompressed AVI or WMV format

■ Specifications

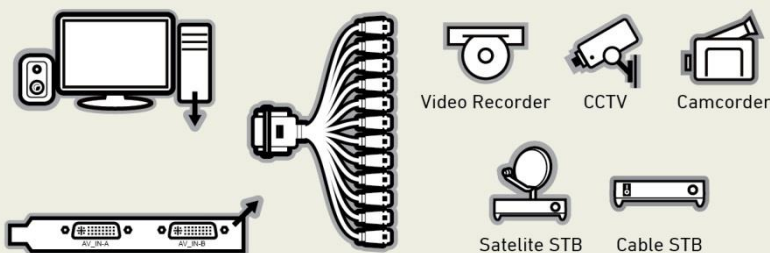|	
Video Resolution	720 x 480i, 720 x 576i
Pixel Format	YUY2(4:2:2)
Color Adjustment	Brightness, Contrast, Hue (NTSC only), Saturation
Multi-Card Support	Yes (up to 4 cards)
Programming Language	VC/VC++, VB, Delphi, C#(.net), VB.NET
SDK Framework	General DLL
Operating Environment	Temperature: 0 to 55°C Humidity: 0 to 90% RHNC
Storage Environment	Temperature: -30 to 65°C Humidity: 0 to 90% RHNC
Power Requirement	12V max 170mA 3.3V max 340mA
Dimensions (mm)	124.8(L)*110(W)*1.57(H)

■ Input

- ● Composite (RCA/BNC)
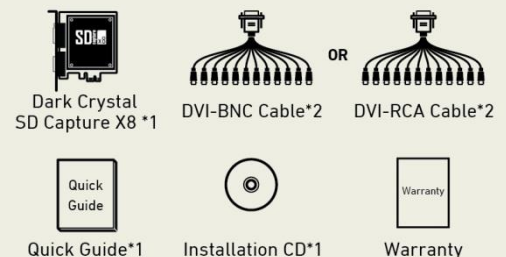- ● Stereo (RCA)

■ System Requirements

- ● CPU
  - -Intel® Pentium® 4 3.0 GHz
  - -AMD Athlon™ 64 3200+
- ● VGA card with support for DirectX9.0c or above
- ● 512 MB RAM
- ● PCIe 1x Gen2 Slot
- ● Sound Card
- ● Windows® 8/7/Vista™/XP (32/64-Bit)

■ Connection & Accessories

Connection

Video Recorder | CCTV | Camcorder

Satelite STB | Cable STB

AV_IN-A AV_IN-B

Package Includes

Dark Crystal SD Capture X8 *1

DVI-BNC Cable*2 **OR** DVI-RCA Cable*2

Quick Guide*1 | Installation CD*1 | Warranty

The accessories may slightly vary depending upon the country of purchase.