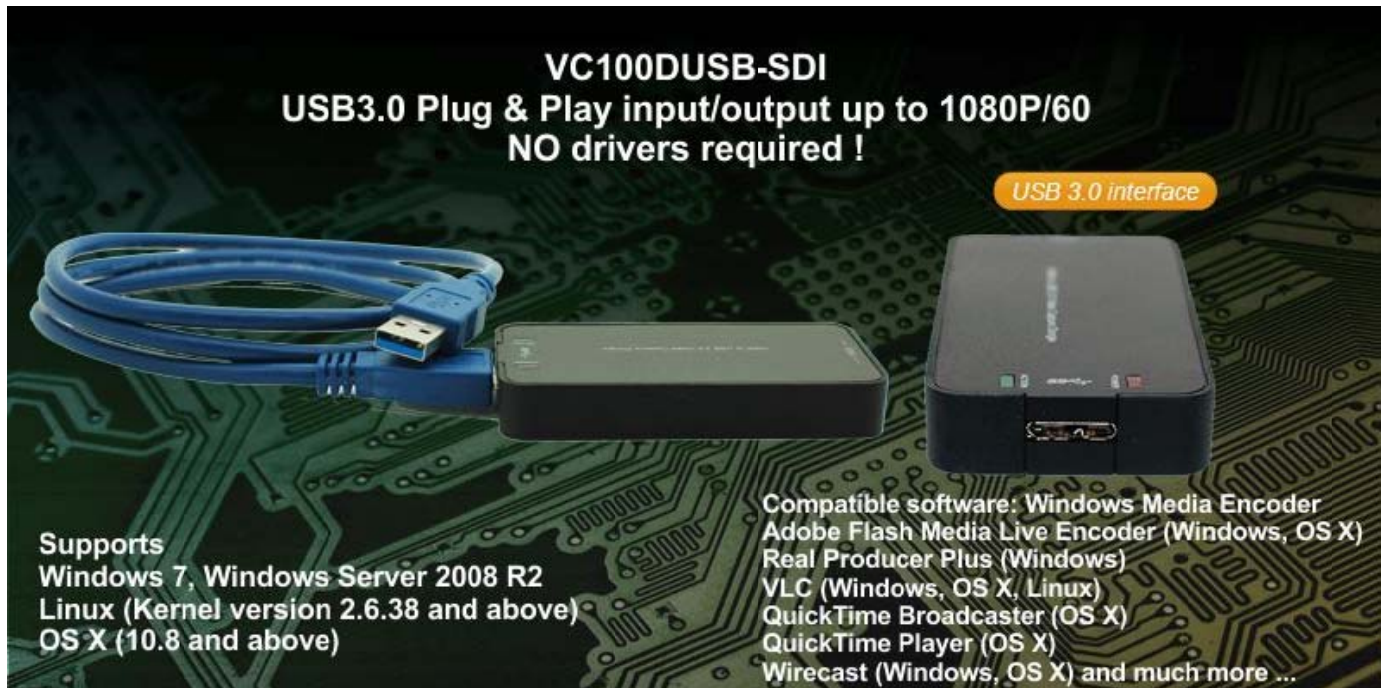


## VC100DUSB-SDI Product Specifications (V1.0)



**VC100DUSB-SDI**  
USB3.0 Plug & Play input/output up to 1080P/60  
NO drivers required !

USB 3.0 interface

**Supports**  
Windows 7, Windows Server 2008 R2  
Linux (Kernel version 2.6.38 and above)  
OS X (10.8 and above)

**Compatible software:** Windows Media Encoder  
Adobe Flash Media Live Encoder (Windows, OS X)  
Real Producer Plus (Windows)  
VLC (Windows, OS X, Linux)  
QuickTime Broadcaster (OS X)  
QuickTime Player (OS X)  
Wirecast (Windows, OS X) and much more ...

VC100DUSB-SDI, SDI to USB 3.0 Video Capture

### Compatibility

- Compatible with various USB 3.0 chipsets (Intel, Renesas, ASMedia, Fresco Logic), compatible with extended USB 3.0 via PCIe Gen1.1 x1
- Compatible with USB 2.0
- Compatible operating systems: Windows (7, 8, 8.1), Linux (kernel version 2.6.38 and above), OS X (10.8 and above)



- Support APIs, such as Windows: DirectShow, DirectSound, Linux: V4L2, ALSA, OS X: QuickTime
- Support software including Windows Media Encoder (Windows), Adobe Flash Media Live Encoder (Windows, OS X), Real Producer Plus (Windows), VLC (Windows, OS X, Linux), QuickTime Broadcaster (OS X), QuickTime Player (OS X), Wirecast (Windows, OS X) and etc...

## Video Processing

- Support up to 1920x1200p60 (CVT-RB) Video Input
- Video output support up to 1920x1200p60 in YUY2
- Video output support up to 1920x1200p60 in RGB24
- The process of video and audio is done by the dongle and will not load the CPU.

## Flexible and Friendly Features

- Connect multiple dongles to one machine
- Enable the up/down conversion of video resolution, frame rate and audio sampling rate
- Support brightness, contrast, hue, saturation, and other screen adjustment functions
- The HDMI video capture meets UVC standard, support YUV 4:2:2 (YUY2) or RGB 4:4:4 (RGB24) video output
- The HDMI video capture meets UAC standard and 48KHz PCM stereo audio output
- The video processing engine can be updated via firmware without changing the hardware.
- Automatically detect and de-interlace signals

## Easy to Use

- No need to install drivers in Windows, Linux, and OS X, real plug and play.
- Automatically determine the input video format and automatically convert it to the specified output size and frame rate.
- Automatically determine the input audio formats and automatically convert it to 48 KHz PCM stereo audio.

## Reliable and Stable

- 64MB DDR2 Onboard memory, it can effectively conduct video frame buffer and USB transfer flow control to avoid interruption or error images when the USB transmission bandwidth is occupied.
- Pass through 7x24h continuous high load tests in high and low temperatures (0-50 degrees)

## Low Cost

The only USB 3.0 product, with cost less than £ 199.00 GBP, captures up to 1920\*1200p/60

## Product Specifications

Connection	
Host Interface	USB3.0, *300-350MB/s throughput USB2.0, *40MB/s throughput
Input Interface	1 MCX interface (can convert to BNC interface)
SDI Input	1 SD/HD/3G-SDI
SDI Audio Input	1 SDI embedded SDI audio (48KHz)
Standards	
SDI Input Formats	SD/HD/3G-SDI, SMPTE-259/274/296/372/424/425/292
Output Formats	Resolutions: 640x480/640x360/720x480/720x576/768x576/856x480/ 960x540/ 1024x576/1280x720/1920x1080.; Frame Rate: 25/29.97/30/50/59.94/60 fps
Transmission Speed	SDI: 270Mb/s, 1.485Gb/s, 2.97Gb/s
Audio and Video Capture	It meets the standards of UVC (USB video class) and UAC (USB audio class)
Output Colour Space	YUY2, RGB24
Video Process	
Color Space Switch	Hardware Color Space Switch
Image Scale	Hardware Scale
Image Adjustment	The image of adjustment of brightness, contrast, hue, saturation
Others	
OS Support	(x86 and x64 versions): Windows 7 Windows Server 2008 R2 Linux (Kernel version 2.6.38 and above) OS X (10.8 and above)
Software Compatibility	Windows Media Encoder (Windows) Adobe Flash Media Live Encoder(Windows, OS X) Real Producer Plus(Windows) VLC (Windows, OS X, Linux) QuickTime Broadcaster (OS X) QuickTime Player (OS X) Wirecast (Windows, OS X), etc.
APIs	DirectShow (Windows), DirectSound (Windows),V4L2 (Linux), ALSA (Linux)
Onboard Memory	64MB DDR2, 16 bits@ 300MHz
Upgrade	The firmware can be upgraded
Size	84.25x42.8x12.6 (L/W/H, mm)
Power Consumption	<= 2.5W
Operating Temperature	0-50 degree centigrade
Storage Temperature	-20-70 degree centigrade
Relative Humidity	5%-90%

**Standard accessories**

1 x USB3.0 cable

1x MCX to SDI Cable

Please note:

Actual USB3.0 transmission bandwidth and the host computer's motherboard chipsets and related values? may be lower than written here.

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For details on how to purchase the VC100DUSB-SDI product contact our sales department  
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