

## USB Capture SDI ( V1.0 )

- **USB Capture SDI** It can capture one single channel SD/HD/3G-SDI video signals.
- The input and output video signal can reach 1080p/60 Hz.
- It is compatible with UVC video capture and YUV 422 video output.
- The UAC is compatible with HDMI audio capture and 48 KHz PCM audio output.
- It doesn't need to install a driver, and it is truly PnP.
- It is compatible with Windows, Linux, OS X operating systems.
- Size: 84.25x42.8x12.6 (L/W/H, mm).

Please note:

1. For the copyright protection, the user shall not use the device to capture the HD output of blue ray player.

- **USB Capture SDI** USB3.0, 300-350MB/s throughput and it is compatible with USB 2.0.
- The process of video and audio is done by the dongle and will not occupy the CPU.
- It can automatically detect the input video formats and it will adjust to the set output size and frame rate automatically.
- It can automatically detect the input audio formats and swift it to 48KHz PCM audio.
- It supports the image adjustment features, like brightness, contrast, hue and saturation.
- Multiple dongles can be used on one PC
- The firmware can be updated.

### USB Capture SDI

| Connection      |   |
|-----------------|---|
| Host Interface  | USB3.0, *300-350MB/s throughput<br>USB2.0, *40MB/s throughput |
| Input Interface | 1 MCX interface (can convert to BNC interface)                |
| SDI Input       | 1 1080p/60Hz SD/HD/3G-SDI                                     |

|                         |   |
|-------------------------|---|
| SDI Audio Input         | 1 embedded SDI audio  |
| Standards               |   |
| SDI Input Formats       | SD/HD/3G-SDI, SMPTE-259/274/296/372/424/425/292   |
| Output Formats          | Resolution: 640x480/640x360/720x480/720x576/768x576/856x480/960x540/1024x576/1280x720/1920x1080<br>frame rate: 25/29.97/30/50/59.94/60 fps                                      |
| Video Sampling Rate     | 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 color space      | YUY2, RGB24   |
| Video Process           |   |
| Color space switch      | Hardware Color Space Switch   |
| Image Scale             | Hardware scale  |
| Image Adjustment        | The image adjustment of brightness, contrast, hue, saturation.  |
| Others                  |   |
| The support of OS       | It supports the following operating systems (x86 and x64 versions):<br>Windows 7<br>Windows Server 2008 R2<br>Linux (Kernel version 2.6.38 and above)<br>OS X (10.8 and above)  |
| Software compatibility  | Windows Media Encoder (Windows)<br>Adobe Flash Media Live Encoder (Windows, OS X)<br>Real Producer Plus (Windows)<br>VLC (Windows, OS X, Linux)<br>QuickTime Broadcaster (OS X) |

|                                     |  |
|-------------------------------------|--|
|                                     | QuickTime Player (OS X)<br>Wirecast (Windows, OS X) and etc.               |
| Development interface compatibility | DirectShow (Windows), DirectSound (Windows),<br>V4L2 (Linux), ALSA (Linux) |
| Onboard memory                      | 64MB DDR2, the work rate is 300 MHz, the bit width is 16 bits              |
| Upgrade                             | the firmware can be upgraded   |
| Size                                | 92.2 x 40.2 x 12.3 (L/W/H, mm)   |
| Power consumption                   | <= 2.5W  |
| Working Temperature                 | 0-50 deg C   |
| Storage Temperature                 | -20-70 deg C   |
| Storage Humidity                    | 5%-90%   |

- **USB Capture SDI**USB3.0 cable: 1
- **MCX to BNC** cable:1

#### **USB Capture SDI**Please note:

1. The actual USB 3.0 throughput is related to the chip of the host and motherboard of the PC and the figure shall be lower than the figure stated here.

