

# **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 SDIUSB3.0, 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

| CSD Cupture SD1 |  |  |
|-----------------|--|--|
| 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 1080p/60Hz SD/HD/3G-SDI                      |  |

| SDI Audio<br>Input        | 1 embedded SDI audio  |  |
|---------------------------|---|--|
| Standards                 |   |  |
| SDI Input<br>Formats      | SD/HD/3G-SDI, SMPTE-259/274/296/372/424/425/292   |  |
| Output<br>Formats         | Resolution: 640x480/640x360/720x480/720x576/768x576/856x480 /960x540/1024x576/1280x720/1920x1080 frame rate: 25/29.97/30/50/59.94/60 fps                            |  |
| Video<br>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<br>Adjustment       | The image adjustment of brightness, contrast, hue, saturation.  |  |
| Others                    |   |  |
| The support of OS         | It supports the following operating systems (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<br>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) and etc.               |
|-------------------------------------|---|
| Development interface compatibility | DirectShow (Windows), DirectSound (Windows), 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<br>Temperature              | 0-50 deg C  |
| Storage<br>Temperature              | -20-70 deg C  |
| Storage<br>Humidity                 | 5%-90%  |

## • USB Capture SDIUSB3.0 cable: 1

• MCX to BNC cable:1

#### USB Capture SDIPlease 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.