

USB Capture Dongle Family

Make HDMI/SDI Video Capture Plug and Play

The USB Capture Dongle, SDI and HDMI, can send resolutions up to 1080p full HD video to your computer for recording or streaming. It uses the existing drivers on your computer, the capture device will work with any software that supports those drivers. So it is truly Plug and Play, easy carry, easy installation, best compatibility and superior performance.

The dongle is based on USB Video Class (UVC) and USB Audio Class (UAC) standard. Therefore, no drivers and setting required for any OS that supports UVC and UAC. It is Plug and Play USB device that support windows DirectShow/DirectSound and Linux V4L2/ALSA.

USB Capture Dongle family has HDMI and SDI inputs, two difference dongles for option. It can capture SD, HD, 3G-SDI, HDMI signal. Internally scale up/down resolution is support, so that stream or record to any resolution is possible. It can also perform frame rate conversion, de-interlacing in real-time inside the dongle without increasing the computers CPU load.

The Dongle is compatible with Windows, Linux, MC OS X. It will works for any USB 3.0 port, also backwards compatible to USB 2.0 interface. It can also work with any USB port that is expanded from PCIe.

USB video capture dongle is capable of streaming video like video capture, webcams, digital camcorders, transcoders, video converters, still image cameras etc.



Features:

- ◇ No driver needed for Windows, MAC and Linux
- ◇ No driver writing, maintenance cost, Plug and Play
- ◇ For both video recording or streaming
- ◇ Support Windows DirectShow, DirectSound
- ◇ Support Linux V4L2, ALSA
- ◇ Support UVC, UAC protocol
- ◇ Automatically detect input signal format
- ◇ 48Khz PCM stereo audio
- ◇ Support up to 1920x1200p 60Hz both input and output
- ◇ AV processed within the dongle without occupy computer's CPU
- ◇ Onboard DDR2 RAM buffer
- ◇ Support up/down hardware scale of video
- ◇ Frame rate conversion
- ◇ Support brightness, contrast, hue, saturation adjustments
- ◇ Support USB 3.0 backward compatible with USB 2.0
- ◇ Small size and low cost
- ◇ Metal housing



USB Capture Dongle Family

Make HDMI/SDI Video Capture Anywhere

Specification

Power :

Power Consumption: <=2.5W

Video:

SDI : 270Mb/s, 1.485Gb/s, 2.97Gb/s
: SMPTE 274M/292M, 425M/424M
: SMPTE 259M/372M

SDI Resolution: : 640x480 / 640x360 / 720x480 / 720x576
: 768x576 / 856x480 / 960x540 / 1024x576
: 1280x720 / 1920x1080

HDMI : HDMI 1.4a, 165MHz

HDMI Resolution : 640x480/720x480 / 720x576 / 768x576 /
: 800x600 / 1024x768 / 1280x720 /
: 1280x800 / 1280x960 / 1280x1024 /
: 1368x768 / 1440x900 / 1600x1200 /
: 1680x1050 / 1920x1080 / 1920x1200 /

Frame Rate : 25/29.97/30/50/59.94/60fps

Color Space : YUY2, RGB24

Audio :

Sampling : 48KHz
: Embedded audio in SDI or HDMI

Video Processing :

Color Space : Hardware Color Space Switch

Scaler : Hardware Scale in Dongle

Image Adj. : Brightness, contrast, hue, saturation

Interface :

USB Host : USB 3.0 300-350MB/s throughput
: USB 2.0 40MB/s throughput*

*Performance will be reduced due to restricted bandwidth

HDMI : 1 x HDMI Type A

SDI : 1 x MCX 75ohm, 800mVpp
: with MCX to BNC cable

Hardware :

Onboard Memory : 64MB DDR2, 16bits@300Mhz

Software :

Firmware : Upgradeable

API :

API : Windows DirectShow, DirectSound
: Linux V4L2, ALSA

Compatibility :

USB : 2.0 Above, 3.0 is recommended
: UVC and UAC

Software : : Windows Media Encoder
: Adobe Flash media Live Encoder
: VLC, OS X, Linux
: Quick Time Broadcast/Player
: Wirecast

Operating System:

◇ Windows 7 (x86 or x64)
◇ Windows 8, 8.1, 10
◇ Linux 2.6.38 above
◇ OS X 10.8 above

Physical and Environment

Size : 93.5 x 42 x 13mm (3.7" x 1.6" x 0.5")
: Metal housing

Weight : 76g (2.7oz)

Operating: 0°C to 50°C (32°F to 122°F)

Storage : -20°C to 70°C (-4°F to 158°F)

Certification

CE, FCC

Accessories

USB Cable
MCX to BNC cable for USB SDI Capture Dongle



* All specifications are subject to change without notice.

* Accessory supply may be different for different product options.

* Actual object may differ from what you see from the catalog.