USB CAPTURE HDMI Specification

(V1.0)

Product Features

- It can capture one single channel HD HDMI 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.

Advanced Features

- 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.

Product Specification

Connection	
Host Interface	USB3.0, *300-350MB/s throughput USB2.0, *40MB/s throughput
Input Interface	1 HDMI interface

HDMI Input	1 1080p/60Hz HD HDMI
HDMI Audio Input	1 LPCM audio signal

Standards	
HDMI Input Formats	It meets the HDMI 1.4a standard, and supports 080p/60Hz 8-bit , (RGB, YUV)
Output Formats	Resolutions: 640x480/720x480/720x576/768x576/800x600/1024x768/ 1280x720/1280x800/1280x960/1280x1024/1368x768/1440x900/1600x1200/1680x1050/1920x1080/1920x1200/640x360/856x480/960x540/1024x576 Frame Rate: 25/29.97/30/50/59.94/60 fps
Video Sampling Rate	HDMI: 165MHz
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): Windows 7 Windows Server 2008 R2 Linux (Kernel version 2.6.38 and above) OS X (10.8 and above)
Software	Windows Media Encoder (Windows)

compatibility	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) OS X (QuickTime)
Onboard memory	64MB DDR2, 16 bits@300 MHz
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%

Standard Accessory
- USB3.0 cable: 1

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.