VC200XUSB Installation Guide

Please contrast parts list and parts in package to confirm that there is no lack of any parts.

Parts List

Component	Quantity
VC200XUSB Capture box	1
DVI-I breakout HDMI+ component signals	2
DVI-I to VGA adapter	2
USB3.0 Cable	1
Driver Installation CD	1
Installation Guide(the document)	1
Quality Guarantee Specifications	1

Installation Steps

1. The USB 3.0 capture box supports hot plug. Connect the capture box by the USB cable to the USB 3.0 interface of the computer.
2. Cancel the system promotes that new hardware is founded.
3. Insert the application installation CD and run the Autorun.exe in the directory of the CD.
4. Click the installation items in the Autorun.   Exe and complete the following operations.
5. After the installation, run the AmCap in the CD to check whether the installation is successful.

VC200XUSB Product Specification

（V1.0）

Product Features

- Capture dual HD signals simultaneously
- The input signals can reach 1080p/60Hz.
- Capture DVI, VGA. HDMI and component signals
- Capture the LPCM audio signal in HDMI
- Microsoft AV Stream standard driver, and support a majority of multimedia video software or stream media software on Window
- Small form factor: 98mm x 98mmx25mm (L/W/H)

Advanced Features

- The input can dynamically switch the signal types: DVI/HDMI, VGA, components.
- It is compatible with CVBS input.
- The input supports the automatic detection of format and valid video area and it can automatically adjust the VGA capture phase.
- It provides safe mode to VGA and the maximum sampling row is no more than 4095 for VGA input.
- It supports manual setting for valid image area which can be used to clip image or support timing sequence.
- It supports multi-level image scale and provides three scale modes based on image W/H ratio.
- It supports vertical filtering and motion-adaptive de-interlacing.
- The hardware color can switch, and input color formats like YUYV, UYVY, I420, NV12, RGB24, RGB32.
- HD input supports image vertical flip and mirror.
- The firmware can be upgraded.

Product Specifications

Connection	
Host Interface	USB3.0, *300-350MB/s transmission throughout
Input Interface	2 DVI-I　(can connect to HDMI, VGA, YPbPr)
DVI Input	Dual 1080p/60Hz HD DVI signals
HDMI Input	Dual 1080p/60Hz HD HDMI signals

VGA Input	Dual VGA
YPbPr Input	Dual YPbPr
CVBS Input	Dual SD video signals
HDMI Audio Input	Dual LPCM audio signals
Standard	
DVI Input Format	It meets DVI 1.0 standard, single connection (480i, 576i, 480p, 576p, 720p, 1080i, 1080p)
HDMI Input Format	It meets HDMI 1.3 standard and supports 36 bits DeepColor
YPbPr Input Format	480i, 576i, 480p, 576p, 720p, 1080i, 1080p
VGA Input Format	640×400-2048×1536 when the pixel rate is below 170MH. It provides safe mode to VGA and can capture irregular resolutions.
CVBS Output Standard	PAL/NTSC
HD Output Format	40×30-2048×1536, frame rate: 1-100 fps
SD Output Format	176×144-768×576, frame rate: 1-30 fps
Video Sampling Rate	CVBS: 57.27MHz (4x Oversampling) RGB/component: 170MHz HDMI/DVI: 225MHz
Video Sampling Precision Rate	10 bits
Color Space	YUYV，UYVY，I420，NV12，RGB 24 Bits，RGB 32 Bits
Video Processing	
Color Space Switch	Hardware Color Switch
De-interlacing	Vertical filter de-interlacing; motion-adaptive de-interlacing
Image Scale	Hardware 5-Tap scale
Image Flip	Horizontal; vertical
Image Clip	Yes
Image Adjustment	Brightness/contrast/color adjustment/ saturation adjustment/control of monochrome and color/ Gamma adjustment separately adjust the brightness and contrast of R/G/B
Others	
Operating System	It supports the x86 and x64 version: Windows XP Professional Windows Server2003 Windows Vista

	Windows Server 2008 Windows 7 Windows Server 2008 R2
Software Compatibility	Windows Media Encoder Adobe Flash Media Live Encoder Real Producer Plus VideoLAN for Windows
Onboard Memory	128MB DDR2, working rate is 160 Mhz, bit width is 32 bits
Upgrade	The firmware can be upgraded
Size	98mm x 98mmx25mm(L/W/H)
Power Consumption	<= 4W
Operating Temperature	0-50 deg C
Storage Temperature	-20-70 deg C
Relative Humidity	5%-90 %

Standard Accessories

- DVI-I to HDMI + YPbPr breakout: 2
- DVI-I to VGA adapter: 2
- USB3.0 cable: 1

*Please note:
1. The actual USB 3.0 transmission throughout is related to the chips of host machine and mainboard, which might be lower than the figures shown here.