

USB201 Video to USB 2.0 Adaptor

Operation Manual

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1. Introduction

USB 201 is a plug-n-play real-time video capture box with USB 2.0 interface to PC. You can preview, record, or playback videos from a VCR, camcorder, or DVD on your PC. The input video can be captured in MPEG1 or MPEG2 format, which subsequently can be edit, added titles and burn onto a disc to create your own VCD, SVCD or DVD titles. You can also snapshot a video to create a still image in BMP or JPEG format.

USB2.0 interface provides a high-speed transmission rate so you can watch video programs at high resolution up to DVD quality. It offers a simple and easy way to get all of your old VHS tapes or movies on to VCD or DVD so you can preserve your family treasures for a lifetime.

2. Features

- . External USB 2.0 plug-n-play video capture box, no power adapter needed
- . Composite Video or S-Video input; supports NTSC, PAL and SECAM input system
- . Bundled with capture and edit software:
 - > **USB 2.0 DVR** for preview, record and playback AV signal on your PC
 - > **InterVideo WinCreator** for video editing and burning video into VCD or DVD disc.
- . Snapshot to save still image as BMP or JPEG file.
- . Video captured in MPEG1 and MPEG 2 format
- . High video resolution up to DVD quality
- . Support resolution up to 720x480(NTSC) / 720x576(PAL)
- . Preview on full screen and window size adjustable
- . Playback captured video without any time delay - 29.2 fps
- . Compatible OS: Window 98/Me/2000/XP

3.Specification

.Fully compliant with USB Specification Revision 2.0

.Input Signal:

NTSC/PAL/SECAM composite video or S(Y/C) video at 1 Vp-p 75 ohm.

.Output Format:

> Snapshot still image: BMP or JPEG

> Captured Video Resolution:

IN \ OUT	DVD	MPEG II	SIF (MPEG II)	MPEG I	Frame Rate
NTSC	720x480	640x480	352x240	352x240	29.97 fps
PAL/SECAM	720x576	640x480	352x288	352x288	25 fps

> Data Transmitting Rate:

IN \ OUT	DVD	MPEG II	SIF (MPEG II)	MPEG I
Video (max)	6 Mbps	6 Mbps	2Mbps	2 Mbps
Audio (max)	44.1kHz 384kbps	48kHz 384kbps	48kHz 384kbps	44.1kHz 224kbps

. Dimension: 65(W) x 102(D) x 26(H) mm

. Weight: 70g

4.Package

. USB 201 Capture Box

. Software Installation Disc

(Includes driver, AP software--- USB2.0 DVR,
InterVideo WinCreator, DirectX9.0)

. Serial number of TelSignal WinAV Encoder

. Serial number of InterVideo WinCreator software

. USB Cable

. Video Cable

. User Manual

5. Hardware Connection



6. Computer System Requirement

. When Previewing

- > Pentium III 650Mhz CPU or up
- > USB 2.0 port
- > Hard Drive speed 5400 rpm
- > Graphic card with 16MB memory or up
- > Sound Card
- > 128MB main memory
- > DirectX 9.0 or up
- > Windows 98/ME/2000/XP

. When Recording

- > Pentium IV 1.5Ghz CPU or up
- > USB 2.0 port
- > Hard Drive speed 7200 rpm
- > Graphic card with 32MB memory or up
- > Sound Card
- > 128MB main memory
- > DirectX 9.0 or up
- > Windows 98/ME/2000/XP

7.USB201 Device Driver Installation

Step 1>Power off the computer first with no USB201 connection

Step 2>Power on the computer

Step 3>Connect USB201 to computer's USB2.0 port with USB cable

Step 4>Once USB201 is connected to the computer, the system will automatically detect the new hardware and dialogue box appears like Figure 1.

Select [Install from a list or specific location(Advanced)] and click [Next] button

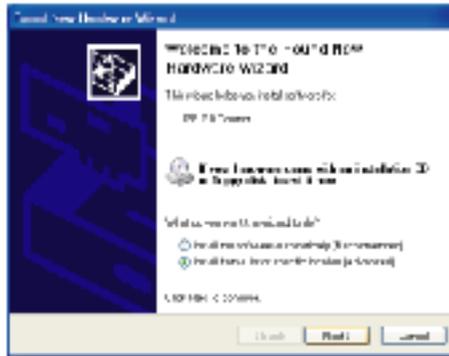


Figure 1

Step 5>After dialogue box showing up like Figure 2, place the attached installation disc into CD-ROM (example disc D:\)

If setup window appears from installation disc's setup software, close it.

Select [Search for the best driver in these locations]

Select [Include this location in the search]

Click [Browse] button

Choose [D:\Driver3063] folder and click [Next] button

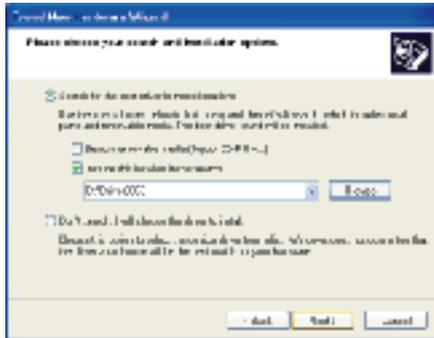


Figure 2

Step 6 > When dialogue box like Figure 3 shows up, it indicates software installation is underway.

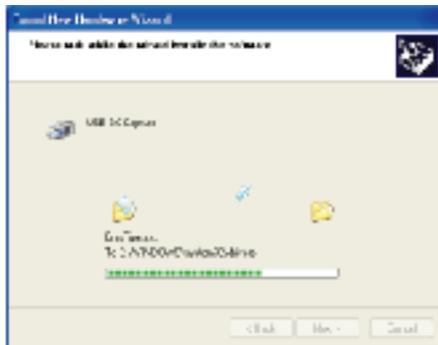


Figure 3

Step 7 > When dialogue box like Figure 4 comes up, click [Continue Anyway]



Figure 4

Step 8 > Once the software installation complete, dialogue box like Figure 5 shows up. Click [Finish] to close window.

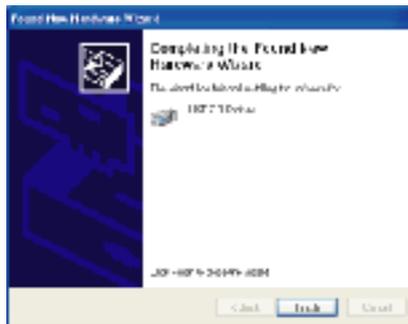


Figure 5

8.USB201 Application Software Installation

- . When the USB201 CD disc is loaded into the CD drive, the menu of application software, as Figure 7, will show up. If not, please execute AUTORUN.EXE in the disc.
- . Items of installation:
 - > USB2.0 DVR : The application software of USB 201. It must be installed so all functions of the USB 201 can be performed.
 - > WinCreator: It is a video editing software developed by InterVideo. The software must be installed so USB 2.0 DVR can perform completely.
 - > DirectX : Microsoft DirectX9.0 must be installed in order for USB 2.0 DVR to work normally.
 - > Browse : Browse the CD.
 - > Exit : Exit installation window.



Figure 7

8.1.USB2.0 DVR Installation

Step 1> Click on [USB2.0 DVR], When dialogue box like Figure 8 shows up, click on [Next], which will lead to dialogue box like Figure 9.

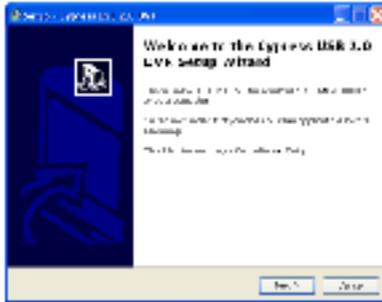


Figure 8

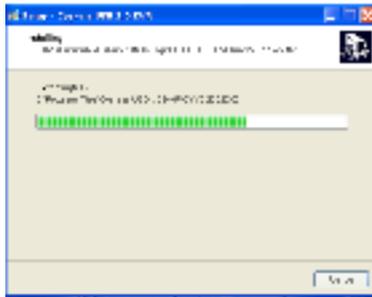


Figure 9

8.2. WinCreator Installation

Step 1> Click on [WinCreator], dialogue box like Figure 10 will come up. Click [Next]

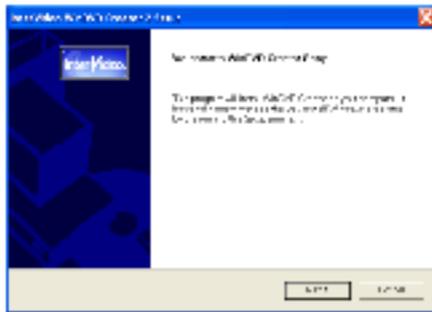


Figure 10

Step 2> When License Agreement dialogue box like Figure 11 comes up, click [Yes]

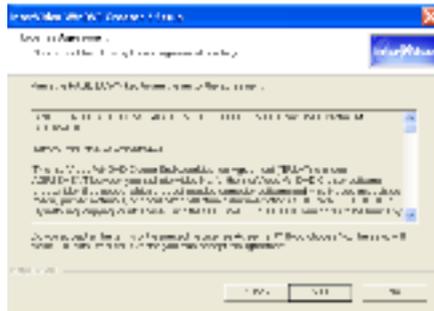


Figure 11

Step 3 > When dialogue box like Figure 12 comes up, type in your name, company and serial number of the WinCreator, which is attached on the CD disc.
Click [Next]

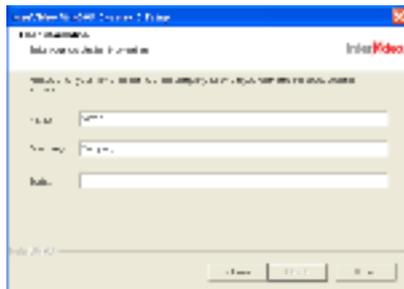


Figure 12

Step 4 > When dialogue box like Figure 13 comes up, click [Browse] to choose your desired folder or choose Wizard's default folder. Click [Next]



Figure 13

Step 5 > Click [Next] when dialogue box like Figure 14 comes up.

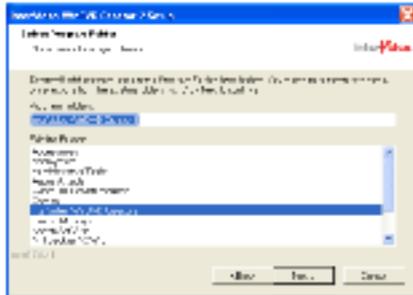


Figure 14

Step 6 > Click [Finish], When setup is complete, like Figure 15.

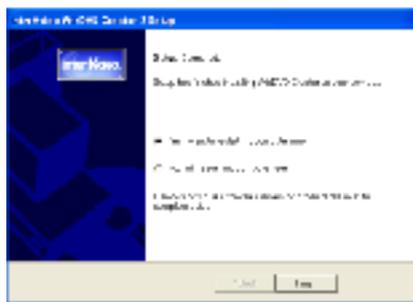


Figure 15

8.3.DirectX Installation

. If the DirectX in your Windows OS is not version 9.0 or higher, please go on to install DirectX 9.0.

9.Operation of USB 2.0 DVR

Step 1 > When you first run [Start\USB 2.0 DVR] or [Start\All Programs\USB 2.0 DVR\SW Configuration] as show in the following Figure 16, a dialogue box Figure 17 will come up.



Figure 16

Step 2 > When dialogue box like Figure 17 comes up, type in your username, and serial number of the WinAV Encoder, which is attached on the CD disc. Click [OK]

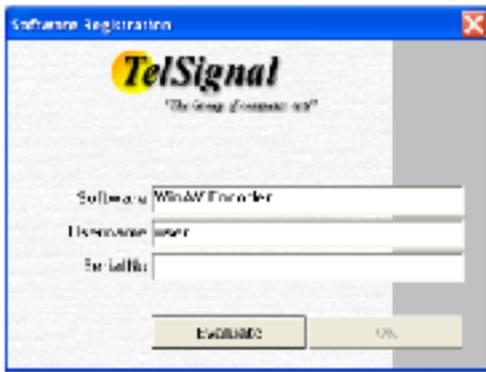


Figure 17

Step 3 > Choose the TV system in your location, your language, video input source, audio input, VGA card and Chipset. Once the setting is complete click [OK]. to enter USB2.0 DVR program.

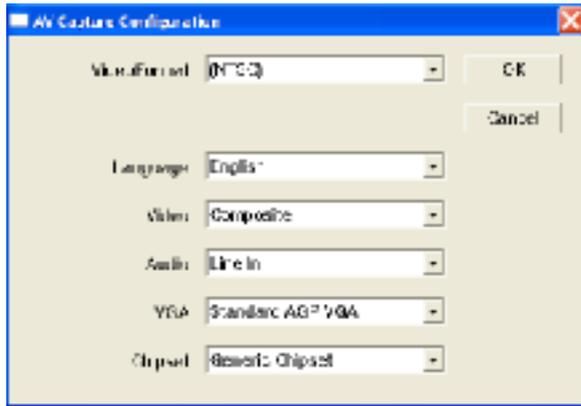


Figure 18

Please note : To know what type of VGA card and chipset is installed in your PC. please click Control panel / System / Hardware / Device manger / VGA card to find out the model number of your VGA card and chipset. Alternatively you may check the service manual of your PC for these information.

If you can't find a match on the type VGA card and chipset from the drop-down list, please choose "Stand AGP VGA" as your VGA card and "Generic Chipset" as your Chipset.

Step 4 > The control panel of USB 2.0 DVR is as below---Figure 19



Figure 19

Explanation of panel buttons:

BUTTON	FUNCTION	EXPLANATION
	Power Off	Terminate USB2.0 DVR program
	Minimize	Minimize window size
	Preview	Preview window - ON/OFF
	Top Most	Window always on top - ON/OFF
	Source	Switch of video source - composite video or S-video

BUTTON	FUNCTION	EXPLANATION
	SaveClipboard	Save a still image to system clipboard
	Sound Switch	Switch of sound - Normal  or Mute 
	Video Setup	To show MPEG Encoder Parameters dialogue box like Figure. 20 for various function-parameter settings.

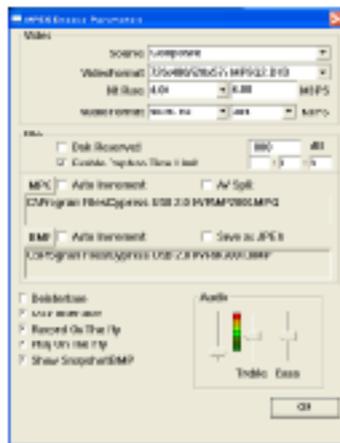


Figure 20

BUTTON	FUNCTION	EXPLANATION
	Snapshot	To show Snapshot Window and save still image as BMP or JPEG file
	Help To show	Help Window for the explanation of operation
	OSD Function	OSD picture adjustments for contrast, brightness, color, tint.
	Tune downward	Decrease setting value
	Tune upward	Increase setting value
	OSD Default	Return to default value
	Play	Playback pre-recorded or chosen video file, the icon then switched to Stop after activation
	Stop	Stop playing during playback a video file Stop recording during recording video to a MPEG file
	Record	Record video to a MPEG file
	Pause / Freeze	Pause during recording or playing back
	Volume - / +	Volume Up / Down adjust

Figure. 23