

USB205 Video/Audio to USB 2.0 Adaptor

Operation Manual



It's hardware compression

1. Introduction

USB 205 is a hardware compression, plug-n-play real-time video /audio capture box with USB 2.0 interface to PC. You can preview, record, or playback audio/video from a VCR, camcorder, or DVD on your PC. The input audio/video can be captured in MPEG 2 or MPEG 4 format, which subsequently can be edited, 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/JPG 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

- . Hardware compression ensures best picture and sound quality during recording and playback.
- . Hardware compression ensures perfect synchronization between video and audio during playback of an hour-long prerecorded program.
- . Since all compression work is done by the USB 205 box, it relieves your PC from hefty mathematic operation that afflicts most software compression boxes, Therefore USB 205 ensures a glitch-free recording/playback even if your PC does not have a latest-generation CPU inside.
- . External USB 2.0 plug-n-play video/audio capture box, no power adapter needed
- . Composite Video or S-Video input; supports NTSC, PAL and SECAM input system
- . Stereo audio input.
- . Bundled with capture and edit software:
 - > **WinAVWS-GO7007** for preview, record and playback AV signal on your PC, and convert image file format.
 - > **WinDVD_Creator** for video editing and burning video into VCD or DVD or SVCD data disc.
- . Snapshot to save still image as BMP or JPEG file.
- . Video captured in MPEG 1 SIF/MPEG 1 VCD/MPEG 2 SIF/MPEG 2 CIF/ MPEG 2 HALF/MPEG 2 SVCD/MPEG 2 VGA/MPEG 2 DVD-NTSC MPEG 2 DVD-PAL/MPEG 4 SIF/MPEG 4 CIF/ MPEG 4 VGA/ MPEG 4 DVD-NTSC/MPEG 4 DVD-PAL) format.
- . High video resolution up to DVD quality
- . Support resolution up to 720x480(NTSC)/720x576(PAL)/640x480 at 30 and 25 frame/sec. respectively.
- . Preview on full screen and window size adjustable.
- . Compatible OS: Window 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, stereo audio input.
- . Output Format:
 - > Snapshot still image: BMP/JPG
 - > Captured Video Resolution:

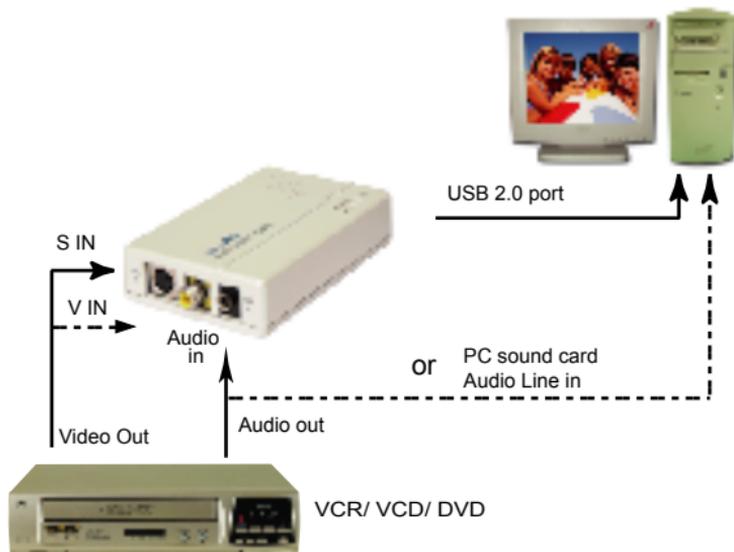
IN \ OUT	MPEG 1 SIF	MPEG 1 VCD	MPEG 2 SIF	MPEG 2 CIF	MPEG 2 HALF	MPEG 2 SVCD	MPEG 2 VGA	MPEG 2 DVD	MPEG 4 SIF	MPEG 4 CIF	MPEG 4 VGA	MPEG 4 DVD
NTSC	320X240	352X240	320X240	352X240	352X480	480x480	640x480	720x480	320X240	352X240	640X480	720X480
PAL/SECAM	352X288	352X288	352X288	352X288	352X576	480X576	640x480	720x576	352X288	352X288	640X480	720X576
VIDEO(Max)	2Mbps	1.15Mbps	2Mbps	2Mbps	2.6Mbps	2.6Mbps	6Mbps	6Mbps	2Mbps	2Mbps	3Mbps	4Mbps
AUDIO(Max)	44.1KHz 384kbps	44.1KHz 384kbps	48KHz 384kbps	48KHz 384kbps	48KHz 384kbps	44.1KHz 384kbps	48KHz 384kbps	48KHz 384kbps	48KHz 384kbps	48KHz 384kbps	48KHz 384kbps	48KHz 384kbps

- . Dimension: 65(W) x 102(D) x 26(H) mm
- . Weight: 70g

4. Package

- . USB 205 Capture Box
- . Software Installation Disc
(Includes driver, AP software--- WinAVWS-GO7007, WinDVD_Creator....)
- . Serial number of WinAVWS-GO7007 and WinDVD_Creator
- . USB Cable
- . Video Cable
- . S-Video cable
- . Phono-RCA Audio cable
- . User Manual

5. Hardware connection



6. Computer system requirement

. When Previewing

- > Pentium IV 2.4GHz 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 9.0C or up
- > Windows XP

. When Recording

- > Pentium IV 2.4GHz 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 9.0C or up
- > Windows XP

Step 5 > A dialogue box as Figure 2 will come up to request the installation of the driver, Select "Yes, this time only",Click[Next]

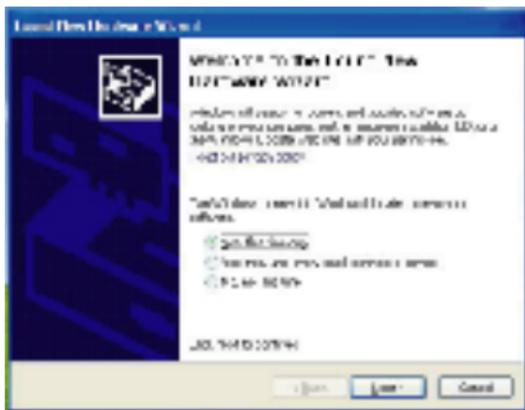


Figure 2

Step 6 > Insert USB205 CD disk into the computer and select "install from a list or specific loaction [Advanced]" then Click [Next]

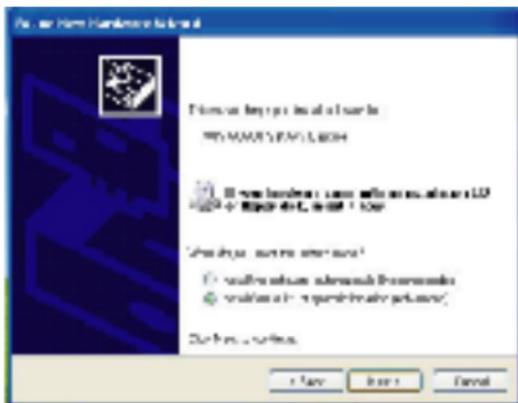
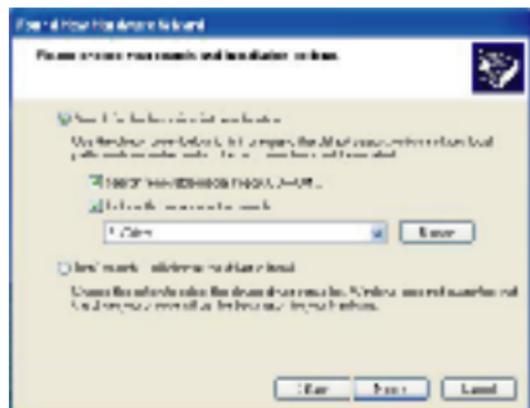


Figure 3

Step 7 > Click[Next]



Step 8 > Click[Continue]

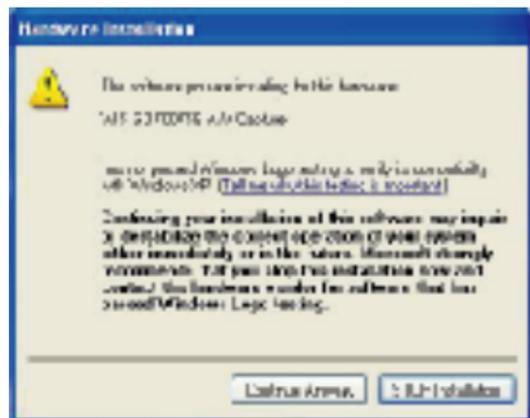


Figure 4

Step 9> Click [Finish]



Figure 5

Step 10 > Select CD-ROM Drive

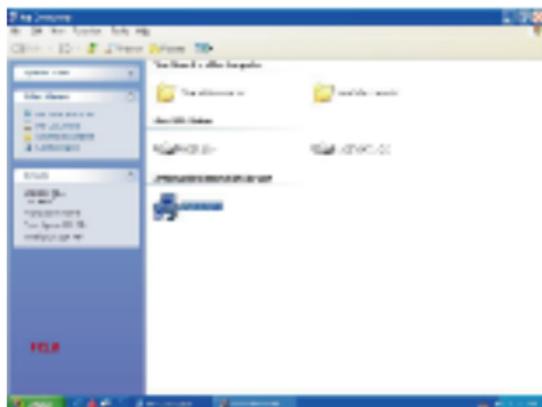


Figure 6

8.USB205 Application Software Installation

- . An autorun menu will come up for installation of Driver and other application softwares:
 - > WinAVWS-GO7007 : The application software of USB 205.
It must be installed so user interface of the USB 205 can be set up.
 - > WinDVD_Creator: It is a video editing and burning software developed by InterVideo.
The software must be installed so WinAVWS-GO7007 can perform completely.
 - > DivX: It is a DivX MPEG 4 decoder/encoder program. The software must be installed so WinAVWS-GO7007 can capture, record, and playback video in MPEG 4 format.
 - > DirectX : Microsoft DirectX9.0 must be installed in order for WinAVWS-GO7007 to work normally.
 - > Browse : Browse the CD.
 - > Exit : Exit installation window.



Figure 8

8.1. Application Installation

Step 1 > Click [WinAVWS-GO7007] to start the installation, the InstallShield Wizard will come up as Figure 5, Click "Next"

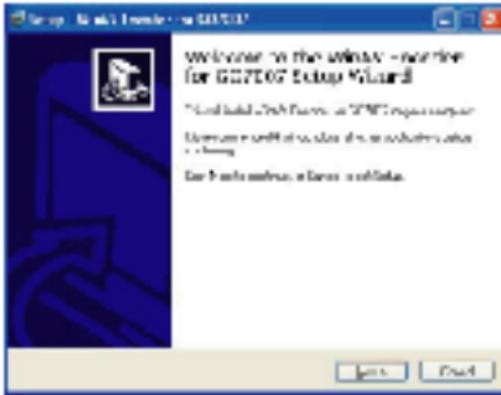


Figure 5

Step 2 > Select your desired Destination Directory where the WinAVWS-GO7007 will be installed and Click [Next]

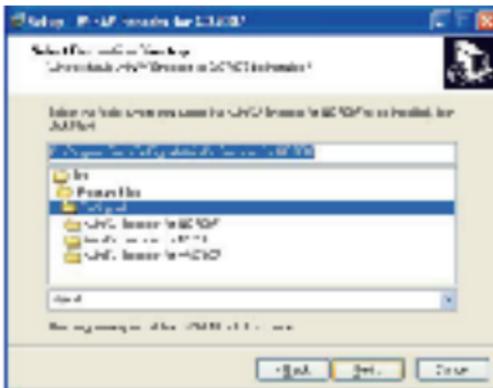


Figure 6

Step 3> When dialogue box as Figure 8 come up. Click [Next]



Figure 7

Step 4 > When dialogue box as Figure 9 come up. Click [Install] to continue installation.

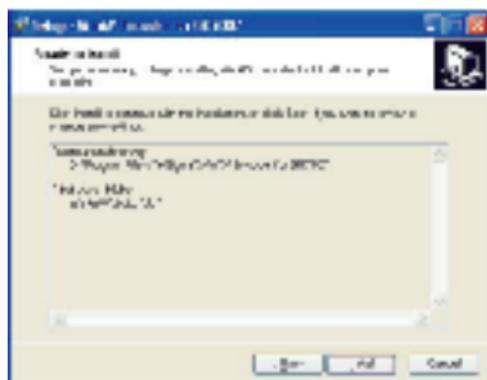


Figure 8

Step 5> Click [Finish]

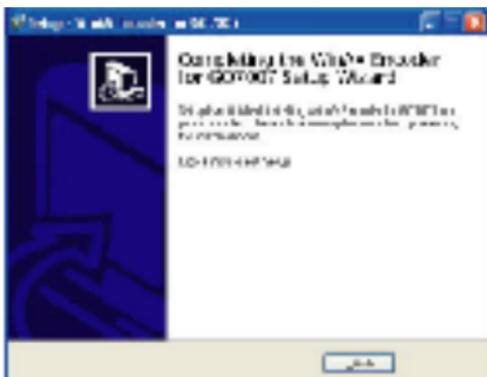


Figure 13

8.2. WinDVD_Creator

Step 1> Click [WinDVD_Creator] to install [InterVideo] WinDVD_Creator software.



Figure 14

Step 2 > When dialogue box as above come up Click [Next].

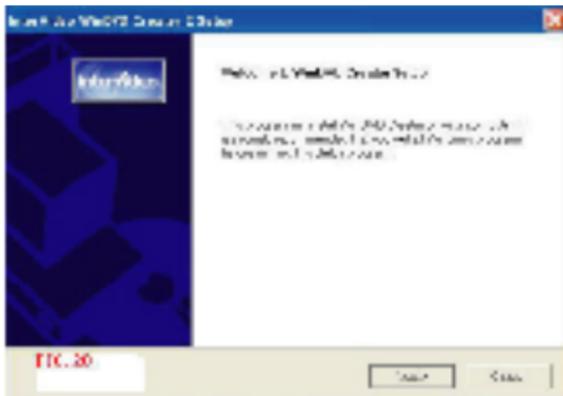


Figure 15

Step 3 > Click [Yes]



Figure 16

Step 4 > Click [Yes]

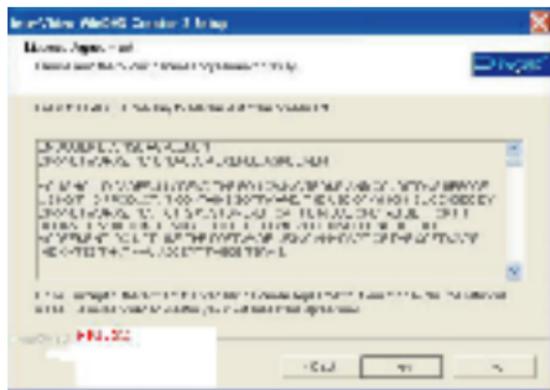


Figure 17

Step 5 > When dialogue box as below come up to ask the user information, key in your user name and serial number of WinDVD_Creator, Click [Next]

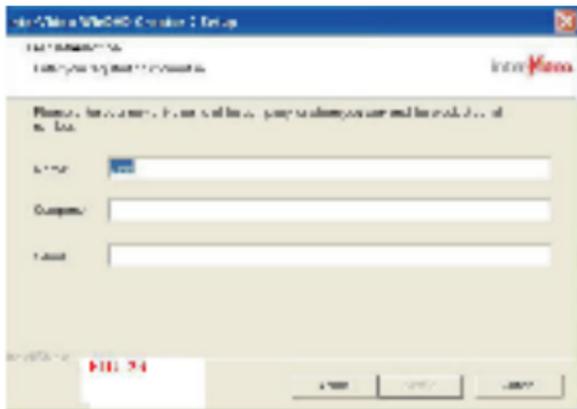


Figure 18

Step 6 > Click [Next]

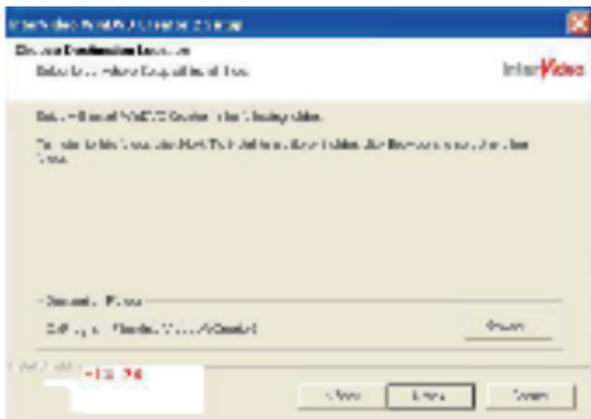


Figure 19

Step 7 > Click [Next]



Figure 20

Step 8 > Click [Finish]

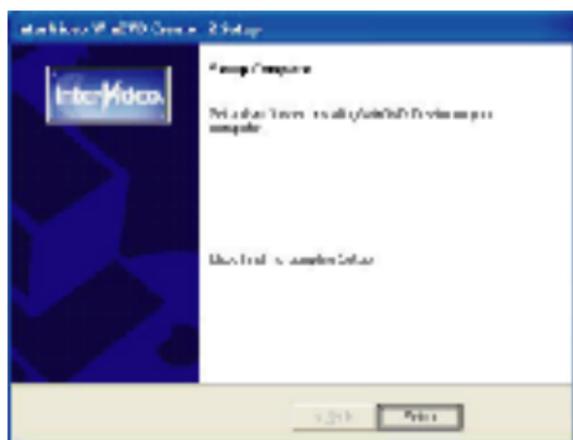


Figure 21

8.4 DivX Installation

Step 1 > Click [DivX] to install DivX software.



Figure 22

Step 2 > Select the language you want to install.

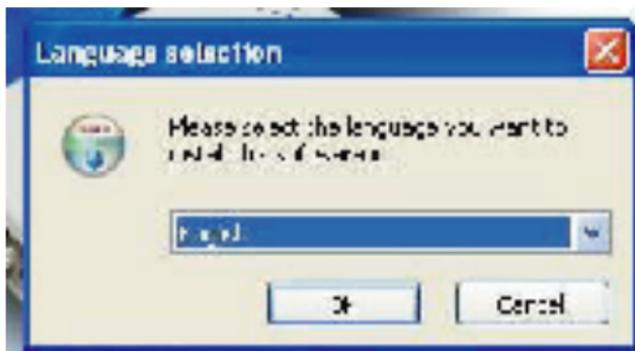


Figure 23

8.4 DivX Installation

Step 3 > Click [Next]



Figure 22

Step 4 > Click [Next]



Figure 23

8.4 DivX Installation

Step 5 > Click [Next]

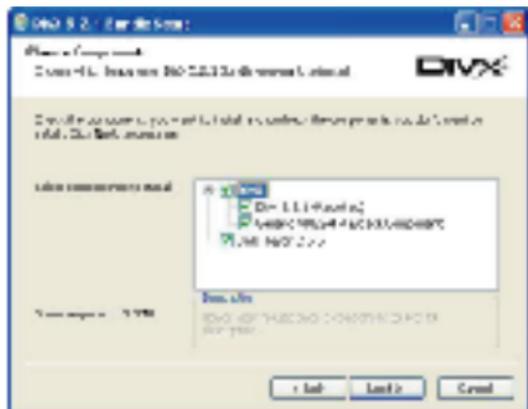


Figure 22

Step 6 > Click [Install]

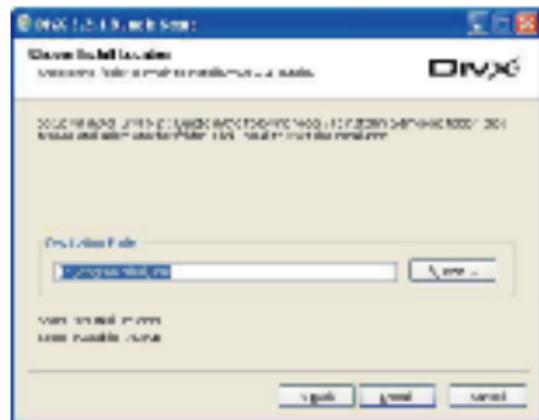


Figure 23

8.4 DivX Installation

Step 7 > Click [Finish]

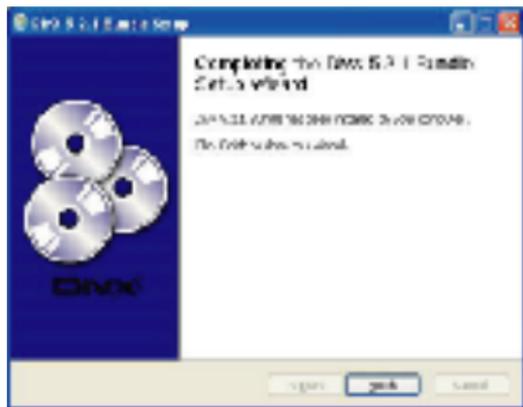


Figure 22

8.5 DirectX Installation

Step 1 > If your WindowXP is Service Pack 1 carry on to install the [DirectX]
If it's Service Pack 2, skip the installation of DirectX,Click [DirectX]



Figure 22

Step 2 > Select [I accept the agreement], Click [Next]

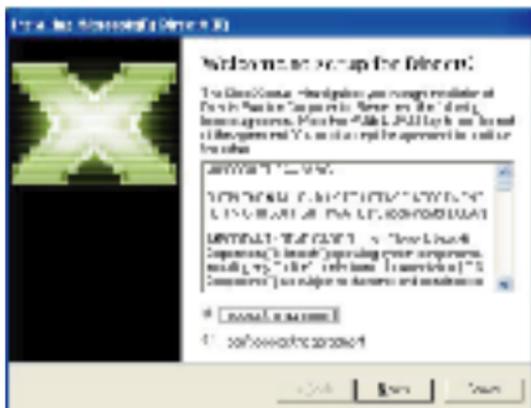


Figure 23

8.6 DirectX Installation

Step 3 > Click [Next]

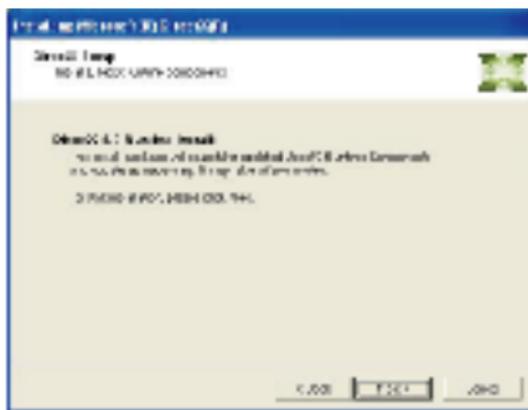


Figure 24

Step 4 > Click [Finish]

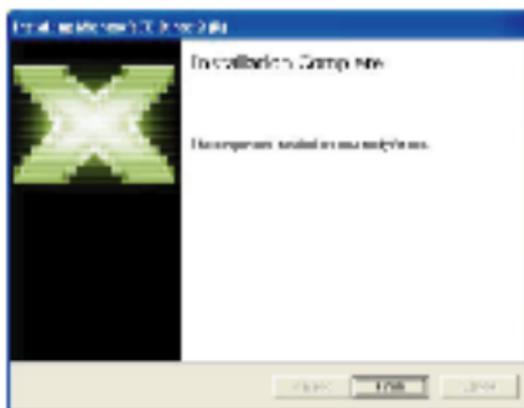


Figure 25

9. Set up the program

1. After installing all softwares, you can find the device, as Figure 33.

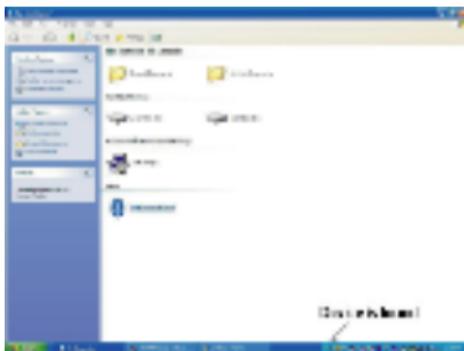


Figure 33

2. Click "All program" to enter WinAVWS-GO7007 and select "TV system configure".

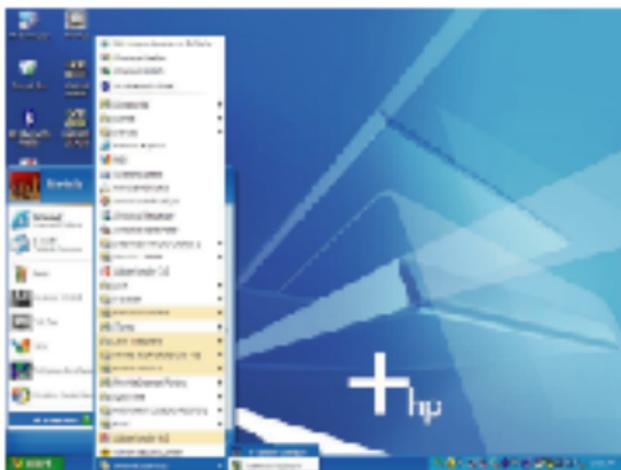


Figure 34

3. Select all parameters that matches your video sources and click ok.

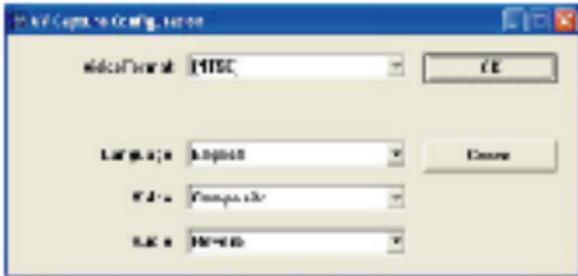


Figure 35

4. Select WinAVWS-GO7007 on the desk top.

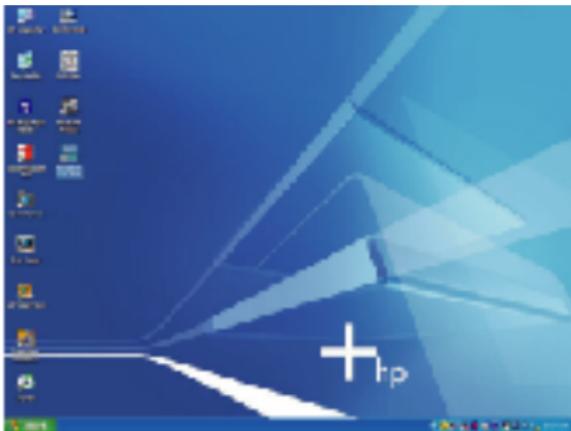


Figure 36

5. A dialogue box as below comes up when you first use the program, type in the serial number of WinAV encoder printed on the disc.



Figure 37

6. The control panel of USB 2.0 DVR is as below---Figure 38



Figure 38

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	Video source select - composite video or S-video

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 Brightness, Contrast, Hue, Saturation
	Tune Backward	Decrease setting value
	Tune Forward	Increase setting value
	OSD Default	Return to default value
	Play	Playback pre-recorded or selected video file, the icon in then switched to Stop after activation
	Stop	Stop playing during playback a video file
	Record	Record video to a MPEG file
	Pause / Freeze	Pause/Freeze during recording or playing back
	Volume - / +	Volume Up / Down adjust
	OSD Timer	To start up timer function during recording, or playback, the time/date information at the time of recording will appears.
	Schedule	Press the key to set up video recording at a predetermined time and length of recording.
	Mute	Audio mute function.