User's Manual



USB2.0 Capture Box

V 1.0

Grab Show 110 —

CONTENTS

Chapter 1 Introduction 3
1.1 Application 3
1.2 Features 3
1.3 Specification 4
1.4 Minimum System Requirements4
1.5 Package Checklist 5
Chapter 2 Software Utilities 6
2.1 System Requirements 6
2.2 Hardware checkup before using Video Studio 7
2.2.1 Enabling DMA for IDE disks7
2.2.2 Analog capture card 7
2.2.3 USB port 7
Chapter 3 Application Installation8
3.1 Windows 2000 Installation (DirectX9.0 or lower)8
3.2 Windows 2000 Installation (DirectX9.0 or later)18
3.3 Windows XP Installation (DirectX9.0 or lower) 28
3.4 Windows XP Installation (DirectX9.0 or later) - 39
Chapter 4 Hardware Installation 44

4.1 Installation and Setup	44
4.2 Equipment Connection	45

FCC NOTICE

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installations. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of following measures:

- 1. Reorient or relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit different from what the receiver is connected
- 4. Consult the dealer or an experienced radio TV technician for help.

CAUTIONS:

- 1. The change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- 2. Shielded interface cables and AC power adapter, if any, must used in order to comply with the emission limits.

Grab Show 110 —— Chapter 1 Introduction

Do you feel the capacity of equipments deployment is always not enough? Don't worry. Garb Show 110 will give you more capacity.

Grab Show 110 is an external USB2.0 video grabber box. Through the connection of USB2.0 port, you can transfer Video from VCD/DVD/VCR/Camcorder player or relative devices to PC truly and promptly without any distortion. It provides full video resolution (720x480 30fps for NTSC, or 720x576 25fps for PAL) recordings. Besides, it is easy to connect to any devices with composite and S-video output ports of VCR, Camcorder, video game and other video sources.

With the software utilities, Grab Show 110 can show you the true video/audio on your PC. Even you can adjust or control the playbacks on your PC monitor through the included software application programs. In conclusion, Grab Show 110 lets you have powerful video applications.

1.1. Applications

- \odot Video recording and editing
- O Video conference or email
- \odot Still image capture for photo album
- O Video monitoring for surveillance system
- ◎ Video display on desktop or laptop's screen for video games

1.2. Features

- ◎ Full Video resolution capture capability
 - USB 2.0: 720x480, 30fps for NTSC, 720x576 25fps for PAL
- ◎ Supports NTSC, PAL and SECAM video system
- ◎ Supports USB 2.0, transfer rates up to 480Mbit/s
- Supports S-video and composite video input

- ◎ Supports brightness, contrast, saturation, hue and sharpness control
- O Power supply from USB
- ◎ Software drivers are fully compatible with Microsoft's DirectShow
- Good portability
- Supports software audio/video CODEC for MPEG 1 and MPEG 2 to create VCD or DVD movies
- O Plug and play
- ◎ System supported: Windows 2000 / XP

1.3. Specification

- ◎ Video input:1 S-video input and RCA type composite video input
- ◎ Video system supported: NTSC, PAL and SECAM
- O Audio go through line in of Pc's sound card
- ◎ Power Consumption: 5VDC, 250mA(max) through USB port
- \odot LED for Power indicator
- O Dimension: 80mm x 30mm x 15mm

1.4.Minimum System Requirement

- O Preview Mode display (no recording) PIV 1GHz
- ◎ Full Dimension MPEG2 PIV-2.0GHz or above
- ◎ 640 x 480 MPEG2 PIV-1.7GHz or above
- ◎ 128MB of RAM (256MB prefer)
- ◎ Windows XP/2000 for USB2.0
- \odot Sound card

1.5. Package Checklist

Check and identify the supplied items as below before operating this machine. If finding any shortage or damage, please contact your dealer as soon as possible.



Grab Show 110





Audio Cable

Software Utility Disc

Chapter 2 Software Utilities

You have to install the Grab Show 110 driver so that you can configure the system of Grab Show 110. Please follow the steps as below to finish the installation of Grab Show 110 driver.

2.1 System requirements

Video demands a lot from your computer. When setting up your system for video editing, the basic factors to consider are the size and speed of your hard drive, RAM, and processor. These determine how much video you can store and how quickly you can process or render your files. If you can afford a bigger hard drive, higher RAM, and faster chip, go with it. Just remember that technology is changing so rapidly and by evaluating first the kind of video editing projects you plan to do, you can better determine the setup that works best for you.

Following are the system requirements for setting up Video Studio:

- Microsoft Windows 2000, Windows XP
- 1.7GHz or above CPU speed is recommended
- 128 MB of RAM (256 MB or above for editing)
- 500MB of available hard disk space or above; 4GB is recommended (best results can be achieved with a 30 GB Ultra-DMA/667200 rpm. hard disk)
- Video for Windows and DirectShow compatible video capture card
- Windows compatible sound card
- CD-ROM or DVD-ROM drive

Tip: Follow the installation instructions of your hardware components carefully, particularly your capture card and consult the operating manual of your camcorder or capture device.

2.2 Hardware checkup before using Video Studio

To ensure that your video production runs smoothly and trouble-free, click

Control Panel: System – Hardware – Device Manager and check if your

devices are working properly in accordance with your Operating System (O/S).

2.2.1 Enabling DMA for IDE disks

If you use IDE disks in Windows, enable **DMA** (Direct Memory Access) for all the hard disks that will be used for capturing video. DMA avoids possible drop frame problems when you are capturing video.



2.2.2 Analog capture card

Windows 2000, and XP supports analog capture cards. Remember to turn on the camcorder or VCR and connect it to your computer. Then check that the following devices are working properly:

Cancel

• Sound, video and game controllers

2.2.3 USB port

The Universal Serial BUS (USB) connector lets you attach a wide array of devices to your computer quickly and easily. These devices include digital cameras, Web cams, and just about every computer peripheral. Since Windows 2000, and XP fully support USB, installing the driver for this device is quick and easy too. Check that the following device is working properly:

• Universal serial bus controller

Grab Show 110 Chapter 3 Application Installation ★★★ Please install the driver and application from the CD before connecting the Grab Show 110 3.1Windows 2000 Installation (Direct X 9.0 or lower) Please insert the Grab Show 110 Driver CD to CD ROM it will install

automatically.

(1)Press	Next	GrabShow 110 - InstallShield Wizard	×
		Welcome to the InstallShie GrabShow 110	eld Wizard for
		The InstallShield® Wizard will in your computer. To continue, cli	ıstall GrabShow 110 on Icick Next.
		< Back	Next> Cancel



(3)Waiting for installing



(4) Waiting for Update DirectX Dirver



(5)Press Next



(6)Waiting for installing



(7)Press Finish



(8) Seleck **[Yes, I want to reset my computer now]** and press **"OK"** then restart your computer automatically

Setup has use the pro	inished copying files to yo gram, you must restart you	ur computer. Before ar computer.	you can
Select one	of the following options ar	nd click OK to finish	setup.
• P	es, I want to restart my cor	mputer now.	
C N	n I will restart mu compute	ər lətər	

(9)Select the language for the installation from the choices below, then

"Press Next"



(10)Waiting for installing



(11)Press Next



(12)Press Yes



(13)Key-in "Name", "Company", "Serial" (You can find the serial on the

CD envelope)and press Next

Ulead VideoStudio 7	Setup	×
User Information Enter your registrat	ion information.	
Ngme:	USER NAME	
Company:	COMPANY NAME	
Serial Number:		
InstellShield		
	< <u>B</u> ack <u>Next</u> >	Cancel

(14)Press Next



(15)Press Next



(16)Press Next

Ulead VideoStudio 7 Setup	×
Setup Options Choose the setup options that best suits your needs.	
Select the options you want to install, clear the options to continue.	ou do not want to install. Click Next
Wiew the Read Me file for Ulead VideoStudio 7 SE D Register Ulead VideoStudio 7 SE DVD.	<u>VD.</u>
instaliShield	
< <u>B</u> .	ack <u>N</u> ext > Cancel

(17)Press Next

tart Copying Files		
Review settings before copying files.		
Setup has enough information to start or change any settings, click Back. If you copying files.	opying the program files. If you wan are satisfied with the settings, click	t to review or Next to begin
Current Settings:		
Setup is ready to begin installing Ulead	VideoStudio 7.	<u>^</u>
Target install folder: C:\Program Files\Ulead Systems	\Ulead VideoStudio 7 SE DVD	
Program group name: Ulead VideoStudio 7		
Video Standard: NTSC		Ŧ
4		▶

(18)Waiting for installing



(19)Waiting for installing

Windows Media Encoder 9 Series Setup	_ 🗆 🗙
Extracting WMEncoder.msi	
	 <u>Cancel</u>

(20)Press Next

DivX 5.0.5 Bundle Setup	×
VERSION 5.0.5	
Copyright (c) 2000-2003 DivXNetworks, Inc. DivX is a registered trademark of DivXNetworks, Inc. Patent pending.	
< <u>₿</u> ack Next> Cancel	

(21)Press Next



(22)Press Yes

tware L	icense Agreement	×
3	Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.	
DIVXNE	TWORKS, INC. END-USER LICENSE AGREEMENT	[
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GRANT non-excl Works o	OF LICENSE: DivXNetworks, Inc. (the "Licensor") grants to you this personal, limited, usive, non-transferable, non-assignable license solely to use in a single copy of the Licensed n a single computer for use by a single concurrent user only, and solely provided that you adhere	
) o you a nstall this	ccept all the terms of the preceding License Agreement? If you choose No, Setup will close. To product, you must accept this agreement.	J
Prin	t Kack Yes No	1
2		

(23)Press Next



(24)Press Next



(25)Press Next



(26)Waiting for installing



(27)Press Close



(28)Press Finish



(29)Connect Grab Show 110 device and USB device will be found. Press

"YES" then you can use it now



3.2Windows 2000 Installation (DirectX 9.0 or later)

★★★Please insert the Grab Show 110 Driver CD to CD_ROM it will install automatically.

(1) Press Next



(2) Press Next

GrabShow 1	110 - InstallShield Wizard			×
Choose I Select fo	Destination Location older where setup will install files.			X
	Instal GrabShow 110 to: C:\Program Files\GrabShow 110			Change
InstallShield -		< <u>B</u> ack	Next>	Cancel

(3) Waiting for installing



(4) Select the language for the installation from the choices below, then "Press

Next"



(5) Waiting for installing

Ulead VideoStudio 7 SE DVD Setup
Preparing Setup Please wait while the InstallShield Wizard prepares the setup.
Ulead VideoStudio 7 SE DVD Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
InstalGhield
Cancel

(6) Press Next



(7) Press Yes



(8) Key-in "Name", "Company", "Serial" (You can find the serial on the

CD envelope) and press Next

Ulead ¥ideoStudio 7	Setup	×
User Information Enter your registration information.		
Name:	USER NAME	
Company:	COMPANY NAME	
Serial Number:		
InstalShield	[
	< <u>B</u> ack <u>Next</u> >	Cancel

(9) Press Next



Grab Show 110 -

(10) Press Next

Ulead VideoStudio 7 Setup	×
TV System Set up the default TV system.	
C [gelect the country/region you are in] Trinded To dago Turkey Ugenda Unied Arab Emiates Unied Arab Commence	
C Choose the video standard you are using:	
© NISC	
C EAL	
< <u>Back</u> <u>N</u> ext >	Cancel

(11) Press Next

Ulead VideoStudio 7 Setup		×
Setup Options Choose the setup options that best suits your r	ieeds.	
Select the options you want to install, clear the to continue.	options you do not want to insta	II. Click Next
✓ View the Read Me file for Ulead VideoStud	io 7 SE DVD	
✓ Register Ulead VideoStudio 7 SE DVD.		
	< <u>B</u> ack <u>N</u> ext >	Cancel

(12) Press Next



(13) Waiting for installing



(14) installing Windows Media Encoder 9 Series



(15) installing directX Press Next



(16) Press Next



(17) Press Yes

ftware License Agreement	×
Please read the following License Agreement. Press the PAGE DOWN key to see the rest of th agreement.	9
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Do you accept all the terms of the preceding License Agreement? If you choose No, Setup will close. To install this product, you must accept this agreement.	
Print <back no.<="" td="" yes=""><td></td></back>	

(18)Press Next



(19) Press Next



(20) Press Next



(21) Waiting for installing



Grab Show 110 -

(22) Press Close



(23) Press Finish



(24) Press Next



(25) Waiting for installing



(26) Press Finish



Grab Show 110 -

(27) Seleck "Yes, I want to reset my computer now" and press "OK"

then restart your computer automatically

Restarting Windows
Setup has finished copying files to your computer. Before you can use the program, you must restart your computer.
Select one of the following options and click OK to finish setup.
Yes, I want to restart my computer now.
C No, I will restart my computer later.
<u> </u>

(28) Connect Grab Show 110 device and USB device will be found. Press"YES" then you can use it now

Digital Signature Not Fou	nd 🔀
	The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested. The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows. USB 2800 Video If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available. Do you want to continue the installation?
	Yes <u>N</u> o <u>M</u> ore Info

Grab Show 110
3.2Windows XP Installation (DirectX 9.0 or lower)

★★★Please insert the Grab Show 110 Driver CD to CD_ROM it will

install automatically.

(1) Press Next



(2) Press Next

GrabShow	110 - InstallShield Wizard		X
Choose I Select fo	Destination Location Ider where setup will install files.	1	22
	Instal GrabShow 110 to: C\Program Files\GrabShow 110		Qhange
InstallShield -		<back next=""></back>	Cancel

(3) Waiting for installing



(4) Waiting for update directX driver



(5) Press Next



(6) Waiting for installing



(7) Press Next



(8)Selcet "I Agree" and press Next

Windows XP K	B822603 Setup Wizard	
License Agre	eement	
1 1 1	Please read the following license agreement. To continue with setup, you must accept the agreement. SUPPELMENTAL END USEN LICENSE AGREEMENT FOR MICROSOFT SOFTWARE ("Supplemental EULA") IMPORTANT: READ CARFEPLLLY - The Microsoft operating system components' accompanying this Supplemental EULA, including any "Unite" or electronic documentation ("TO'S Components") are subject to the terms and conditions of the agreement under which you have licenricid the agriceable Microsoft operating system product described below (each an electronic operating system product described below	
	< <u>B</u> ack <u>N</u> ext>	Cancel

(9) Waiting for installing

Windows XP KB822603 Setup Wizar	d	X
Updating Your System		
Please wait while setup ins your current files and upde	spects your current configuration, archives ates your files.	
Installing files		
Details		
Installing file USBEHULSTS		
	< Back Finish	Cancel]

(10) Press Finish



(11) Press Finish



(12) Seleck **"Yes, I want to reset my computer now"** and press **"OK"** then restart your computer automatically

Restarting Windows
Setup has finished copying files to your computer. Before you can use the program, you must restart your computer.
Choose one of the following options and click OK to finish setup.
✓ Yes, I want to restart my computer now.
O No, I will restart my computer later.
ОК

(13) Select the language for the installation from the choices below, then "Press Next"

Ulead VideoStudio 7 SE DVD Setup	×
Choose Setup Language Select the language for the installation from the choices below.	
Chinese (Finghfied) Chinese (Finghfied) Fronth Fronth (Standard) German Hafam Korean Korean Spanish	
InstalSheld < <u>B</u> ack Next > Cancel	

(14) Waiting for installing

Ulead VideoStudio 7 SE DVD Setup
Preparing Setup Please wait while the InstallShield Wizard prepares the setup.
Ulead VideoStudio 7 SE DVD Setup is preparing the Instal/Shield Wizard, which will guide you through the rest of the setup process. Please wait.
Instal/Shield

(15) Press Next



(16) Press Yes



(17) Key-in "Name", "Company", "Serial" (You can find the serial on the

CD envelope) and press Next

Ulead VideoStudio	o 7 Setup	
User Information Enter your registral	ion information.	
N <u>a</u> me:	USER NAME	
<u>C</u> ompany:	COMPANY NAME	
<u>S</u> erial Number:		
InstalShield	< Back Next >	Cancel

(18)Press Next



(19) Press Next



(20) Press Next

Ulead VideoStudio 7 Setup	
Setup Options Choose the setup options that best suits your needs.	
Select the options you want to install, clear the options you do not want to install to continue.	L Click Next
Wiew the Read Me file for Ulead VideoStudio 7 SE DVD.	
I Register Ulead VideoStudio 7 SE DVD.	
InstaliShield	
< <u>B</u> ack <u>N</u> ext >	Cancel

(21) Press Next

Review settings before copying files.	Start Copying Files		
Setus has amough information to stat copying the program files. If you want to noview or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying lice settings: Setup is ready to begin installing Ulead VideoStudio 7. Taget install folder: C-Vinogam Files/Ulead Systems/Ulead VideoStudio 7 SE DVD Program goup name: Ulead VideoStudio 7 Video Standard: NTSC	Review settings before copying files.		
Current Settings: Setup is ready to begin installing Ulead VideoStudio 7. Target install Inider: C-Vinogana FlexUlead SystemeXUlead VideoStudio 7 SE DVD Phogram group: name: Ulead VideoStudio 7 Video Standard: NTSC S	Setup has enough information to start copying change any settings, click Back. If you are sa copying files.	the program files. If you v tisfied with the settings, cl	rant to review or ick Next to begin
Setup is ready to begin installing Ulead VideoStudio 7. Target install folder C.VProgram Files/Ulead Systems/Ulead VideoStudio 7 SE DVD Program goup name: Ulead VideoStudio 7 Video Standard: NTSC	Current Settings:		
Target install folder: CLPPogan Files/Ullead Systems/Ullead VideoStudio 7 SE DVD Program goup name: Ullead VideoStudio 7 Video Standard: NTSC S	Setup is ready to begin installing Ulead Videos	Studio 7.	~
Program group name Ulead VideoStudio 7 Video Standard: NTSC	Target install folder: C:\Program Files\Ulead Systems\Ulead	VideoStudio 7 SE DVD	
Video Standard: NTSC	Program group name: Ulead VideoStudio 7		
< >	Video Standard: NTSC		~
	<		>

(22) Waiting for installing



(23) Waiting for installing



(24) Press Next



(25) Press Next



(26) Press Yes



(27) Press Next

Choose Destination Location	on 🔀
	Setup will install DivX 5.0.5 Bundle in the following directory. To install to this directory, click Next. To install to a different directory, click Browse and select another directory. You can choose not to install DivX 5.0.5 Bundle, by clicking Cancel to exit Setup. Destination Directory C-VProgram Files/DivX. Browse
	Space Required: 3328 K Space Available: 18954984 K

(28) Press Next



(29) Press Next



(30) Waiting for installing



(31) Press Close



(32)Press Finish



(33) Connect GrabShow 110 device and USB device will be found



(34) Grab Show 110 hardware has been installed complete and you can

use it now



Grab Show 110 -

3.4Windows XP Installation (DirectX 9.0 or later) ★★★Please insert the Grab Show 110 Driver CD to CD_ROM it will install automatically.

(1) Press Next



(2) Press Next

GrabShow	110 - InstallShield Wizard	
Choose D Select fo	Pestination Location Ider where setup will install files.	No.
<u></u>	Instal GrabShow 110 to: C.\Program Files\GrabShow 110	Change
InstallShield -		(Back Next) Cancel

(3) Waiting for installing



(4) Select the language for the installation from the choices below, then

"Press Next"



(5) Waiting for installing

Ulead VideoStudio 7 SE DVD Setup	
Choose Setup Language Select the language for the installation from the choices below.	N2A
Chinese (Smplified) Chinese (Traditional) Freihi French (Standard) German Italian Jacanese Kaspanish	_
InstallShield	Cancel

(6) Press Next



(7) Press Yes



(8) Key-in "Name", "Company", "Serial" (You can find the serial on the CD

envelope) and press Next

Ulead VideoStudio	o 7 Setup	
User Information Enter your registral	ion information.	
N <u>a</u> me:	USER NAME	
Company:	COMPANY NAME	
<u>S</u> erial Number:		
InstallShield		
	< <u>B</u> ack <u>N</u> ext >	Cancel

(9) Press Next



(10) Press Next



(11) Press Next

Ulead VideoStudio 7 Setup	
Setup Options Choose the setup options that best suits your needs.	
Select the options you want to install, clear the options you to continue.	do not want to install. Click Next
☞ Begister Ulead VideoStudio 7 SE DVD.	
< <u>B</u> ack	Next > Cancel

(12) Press Next



(13) Waiting for installing



(14) installing Windows Media Encoder 9 Series

Windows Media Encoder 9 Series	
	Cancel

(15) installing directX Press Next

DivX 5.0.5 Bundle Setup	×
VERSION 5.0.5	
Copyright (c) 2000-2003 Div/RNetworks, Inc. Div/X is a registered trademark of Div/RNetworks, Inc. Patent pending.	
< <u>B</u> ack Next > Cancel	

(16) Press Next



(17) Press Yes

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Do you accept all the terms of the preseding License Agreement? If you choose No, Setup will close. To install this product, you must accept this agreement.

(18)Press Next



(19) Press Next



(20) Press Next



(21) Waiting for installing



(22) Press Close



(23) Press Finish



(24) Press Next



(25) Waiting for installing



(26) Press Next



(27) Selcet "I Agree" and press Next



(28) Waiting for installing



(29) Press Finish



(30) Press Finish



(31) Seleck "Yes, I want to reset my computer now" and press "OK"

then restart your computer automatically



(32)ConnectGrabShow 110 device and USB device will be found



Chapter 4 Hardware Installation

The figure below shows the proper cable connections for installing Grab Show 110and connecting it your audio/video equipment.

4.1 Installations and Setup



4.2 Equipment Connection

Please follow the step-by-step process as below to complete the connection between Grab Show 110 device and peripherals:

(1)Connect Grab Show 110 Device's USB connector to PC's USB input port.



Grab Show 110 → USB Interface Connect to PC



PC's USB2.0 input port

(2) Connect Grab Show 110 Device's composite connector through composite cable to VCD/DVD/VCR/Camcorder player's composite.



(3) If your VCD/DVD player or related device has the S-Video output port, you can also connect the Grab Show 110 to the S-Video cable included.

Grab Show 110



(4) For audio function, you just connect the audio cable of VCD/DVD player or related device to the audio input port of your PC's sound card directly.



(5) If you want a swift capture of vision, you can press the SNAP shot button on Grab Show 110 device's side panel.



SNAP Shot button