

CUSB-601H HDMI to USB FullHD Capture



Operation Manual



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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
RDV1	08/10/2011	Preliminary Release
RDV2	27/10/2011	



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1. INTRODUCTION

CUSB-601H is High Definition capture box supports HDMI 1080p video input and record to H.264 video format. Its low power consumption and superior video processing capabilities make it ideal for integration into high-end portable and desk top PC products.

2. APPLICATIONS

• Displaying HD signal on PC or NB's monitor

3. PACKAGE CONTENTS

- HDMI to USB Cature Box
- Operation Manual
- Driver CD Disc

4. SYSTEM REQUIREMENT

In order to run the application smoothly, please refer to the following hardware recommendation.

• System Hardware Requirements:

2.4 GHz single core CPU with at least 1GB RAM for optimal performance

- Operating Systems:
 - Windows 2K SP4

Windows XP Home or Professional 32 bits SP2

Windows Vista 32 bits

Windows 7 32 bits

• USB Port Extension:

An available USB 2.0 port with USB to mini USB cable

5. FEATURES

- FullHD capture HDMI to USB
- H.264/MPEG4-AVC High Definition encoder
- Video input supports: 1920 x 1080i/p, 1280 x 720p, 576i/p, 720 x 480i/p



- Supports MPEG-4 Advanced Audio Coding (AAC)
- 48 KHz audio sampling frequencies
- It use USB bus power for low power consumption

6. SPECIFICATIONS

Input port	1 x HDMI
Output port	1 x USB
Power Supply	5V/500m A DC USB bus power
Dimensions	121 mm (W) \times 21.6 mm (D) \times 65.5 mm (H)
Weight	146g
Chassis Material	Aluminum
Silkscreen Colour	Black
Power Consumption	0.5 W
Operating Temperature	0 °C~40 °C / 32 °F~104 °F
Storage Temperature	−20 °C~60 °C / −4 °F~140 °F
Relative Humidity	20~90 % RH (non-condensing)



7. OPERATION CONTROLS AND FUNCTIONS

7.1 Front Panel



1 HDMI IN

This slot is where you plug your input source equipment with HDMI cable for input signal sending.

7.2 Rear Panel



1 USB

This slot is where you plug the mini USB cable and connect it to the PC/NB for data upstream and power.



This LED will illuminate when the device is connected.



8. INSTALLATION

The following sections list the procedures to follow when installing the HDMI to USB Full HD Capture. Please follow the step accordingly to launch the installation successfully.

8.1 Hardware Installation

Connect the HDMI to USB Full HD Capture to NB/PC with mini USB to USB type A cable and the LED will illuminate in green with a Found New Hardware message from NB/PC desk screen.



A Wizard dialogue will appear, click" Yes", and click "Next" to continue the installation.





Insert the CD driver included in the package now and tick on "Install the software automatically" then click "Next".

Found New Hardware Wizard		
Image: Second		
< Back Next > Cancel		

Another dialogue will appear as below. Tick "Search" and click on "Next" to continuing the installation.

Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM)
Include this location in the search:
D:\ Browse
O Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back Next > Cancel



Allowing the Wizard to search and find the proper installation file for a while and click "Finish" to complete the installation.

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Sigma Designs USB Device	
	< Back Finish Cancel	

8.2 Software Installation

Download "DivXInstaller.exe" from the website: <u>http://www.divx.com/</u> <u>en/software/divx-plus</u> and click on the "FREE DOWNLOAD" to install it.

Run and click the "AUTORUN.EXE" in your CD root directory and click on PL 330 to install.





The setup dialogue of PL330 will appear, click "Next" to continue the setup.



Allowing the setup to process for few moments and select a destination location for saving the PL 330's folder. Users are free to set the destination location and it is recommended to save it under the easy finding place.

🕼 Setup - Cypress PL330
Select Destination Location Where should Cypress PL330 be installed?
Setup will install Cypress PL330 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Cypress PL330 Browse
At least 18.9 MB of free disk space is required.
Cancel



Click "Install" to confirm the installation.

🕞 Setup - Cypress PL330	
Ready to Install Setup is now ready to begin installing Cypress PL330 on your computer.	
Click Install to continue with the installation, or click Back if you want to review or change any settings.	
Destination location: C:\Cypress PL330	
Start Menu folder: Cypress PL330	
٢	2
K Back Install	Cancel

Click "Finish" again to complete the PL330's installation.





Then click on Exit to finish the installation.



Cypress PL330's icon should appear on the desk.



Double click on the Cypress PL330 to set the configuration of HDMI to USB FullHD Capture.





Select CUSB-601H and click on "OK".

😤 TV Card Model Con	figuration			
Model Name	CUSB-601H		•	ОК
Parameters	HKey Company Product Function Software DsSection DsTVJuner DsTVJuner DsCrossBar DsVideoStc DefVSource AddoProcessor	: PL330U Sigma Designs :PL330USB :AV Only WinAV Encoder CYPL330B : PL330USB : Sigma Designs USB TVAudi : Sigma Designs USB TVIane : Sigma Designs USB Crossb : Sigma Designs USB Device : Nothing : 0000 1142		Cancel Refresh
	AgpioStart AgpioEnd	: 0000 1342	~	

Select your AV system of NTSC or PAL, language and Video type then click on "OK".

🔚 AV Capture Configurat	ion	
VideoFormat	(NTSC)	ок
<u>.</u>		
Language	English	Cancel
Video	HDMI	

A DVR player will appear on the screen.





9. DVR PANEL'S FUNCTIONS





Click this button to exit the application.

2 👿 Minimize

Click this button to minimize the control panel.

3 💽 Record

Click this button to save the video file.

4 📐 Play

Click this button to play the video file from the recorded file.

5 🌆 Pause

Click this button to pause the video.

6 Vol up

Click this button to volume up the sound.

🕖 Vol down

Click this button to volume down the sound.

8 Source

Click this button to select the source input from the DVD/TV input connection.

9 Video Setup

Click this button to set the video and audio's parameter. A dialogue will appear as below, please set the parameter accordingly.



Video					
Source	ce HDMI				-
VideoForm	at 1920×10	80/1920)×1080	H264.	FHD 🔻
Video Bitra	te 8.00	-	8.00		MBPS
Audio Form	at AAC				-
File				_	
Disk Reserved			100		MB
Enable Capture Tim	ie Limit		0	: 30	: 0
C:\Cypress PL330\201	10902 1434	35.264			
C:\Cypress PL330\201 BMP C:\Cypress PL330\201	10902 1434 10902 1434	35.264 □ Sa 19.BM	ve as . P	JPEG	
C:\Cypress PL330\201 BMP C:\Cypress PL330\201	10902 1434 10902 1434	35.264 □ Sa 19.BMI	ve as . P	JPEG	
C:\Cypress PL330\201 BMP C:\Cypress PL330\201 OSD Interface	10902 1434 10902 1434	35.264 □ Sa 19.BMI	ve as . P lio	JPEG	I
C:\Cypress PL330\201 BMP C:\Cypress PL330\201 OSD Interface Record On The Fly	10902 1434 10902 1434	35.264	ve as . P lio	JPEG	
C:\Cypress PL330\201 BMP C:\Cypress PL330\201 OSD Interface Record On The Fly Play On The Fly Show Spanshot BMP	10902 1434 10902 1434	35.264	ve as . P lio	JPEG	
C:\Cypress PL330\201 BMP C:\Cypress PL330\201 C:\Cypress PL330\201 OSD Interface Record On The Fly Play On The Fly Show Snapshot BMP	10902 1434 10902 1434	35.264	ve as , p lio Tr	JPEG	 ass

10 Save Clipboard

Click this button to copy the image for other DDE application.

1 Mute

Click this button to mute the audio.

12 Snapshot BMP

Click this button to save the still image as the BMP or JPEG file.

🚯 Help

Click this button to enable the online help tool.



10. CONNECTION DIAGRAM





ACRONYM	COMPLETE TERM
DDE	Dynamic Data Exchange
HDMI	High-Definition Multimedia Interface
USB	Universal Serial Bus

