PC/HD to DVI Format Converter

Operation Manual

CP-1261D

Revision History

Version No.	Date	Summary of Change
V1	20081027	Preliminary Release

Precautions

Failure to follow the precautions described below may cause damage to the converter box and void the warranty.

- DO NOT open the case. Doing so will void the warranty. If you find problem with it, please return back to your retailer or seller who will assist you or provide you with solution.

- DO NOT use third-Party AC adapter or power cord. Doing so may damage the PC/HD to DV Format Converter.

- DO NOT bump, jar or drop contents of the products as it may damage it and result in warranty void.

- DO NOT set any liquids or beverages on the drive as they may damage the PC/HD to DV Format Converter.

Table of Contents

1. Introduction

This is a PC/HD to DVI format converter box. This box can convert and upgrade your display image from analog into digital and VA into HD. Whether your sources comes in from PC or traditional RGB signal through the PC/HD to DVI Format Converter, the image will be transformed into DVI signal.

2. Applications

● Analog PC/HD signal to digital LCD monitor.

3. Package Contents

● PC/HD to DVI Format Converter x 1
● Switching power supply adaptor x 1
● HD-15 VGA to 3 RCA cable x 1
● Operation manual x 1

4. System Requirements

PC/DVD or other source input and HDTV, projector, monitor or other output equipment.

5. Features

● Connect computers with analog PC output or DVDs with HD output to digital DVI-I monitors or projectors.
● Select input between analog RGB and YPbPr manually.
● Select output between Bypass or digital RGB manually.
● Supports up to 1920 x 1200 @ 60 RB for PC input and 1920 x 1080p @ 60 Hz for HD input.
● Built-in EDID

6. Operation Controls and Functions

Front Panel ③   Rear Panel
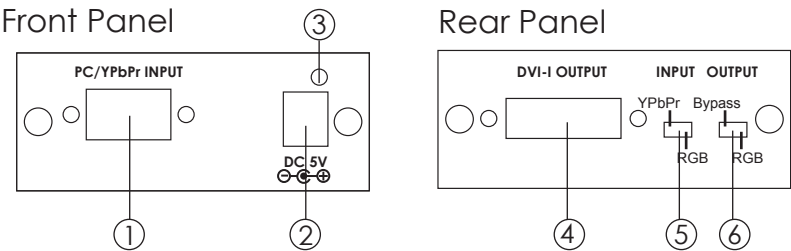
① HD-15 D-Sub input: Connects to the PC or YPbPr source equipment, using VGA cable, or D-Sub to 3 RCA adaptor cable.
② DC 5V power input jack.
③ Power LED light.
④ DVI-I output: Connects to the DVI input of your display TV through DVI cable.
⑤ Input format switch:
  - Set the switch to YPbPr when the output format of your source equipment is component YPbPr. Use VGA to 3 RCA adaptor cable to connect between your source equipment and the unit.
  - Set the switch to RGB when the output format of your source equipment is RGBHV. Use- HD-15 D-Sub VGA cable to connect between your source equipment and the unit.

Input SW.	Input	
Output SW.　　　Output	YPbPr	RGB
Bypass	YPbPr	RGB
RGB	RGB	RGB

⑥ Output format switch:
  When the input is YPbPr set the switch to bypass for digital YPbPr out, set the switch to RGB for digital RGB out.
 When the input is RGB, set the switch to either position for the digital RGB out. There is no YPbPr out for RGB input.

7. Specifications

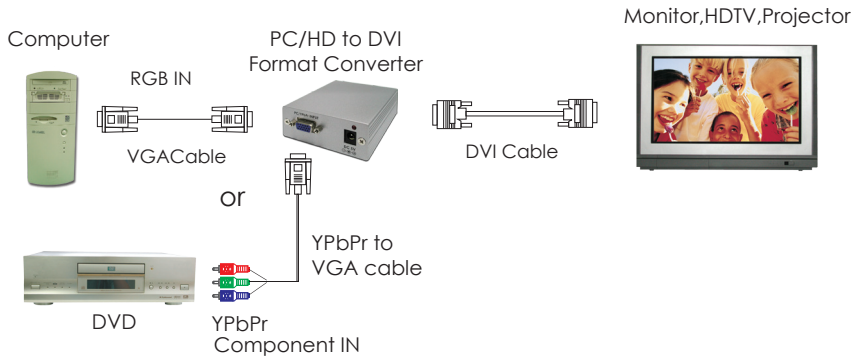|	
Input	Analog HD-15 (RGBHV or YPbPr)
Input Signal	RGB: 0.7 Vp-p 75 ohm
	H + V: 3 to 5 Vp-p
	or Y :1 Vp-p 75 ohm, Pb/Pr: 0.7 Vp-p, 75 ohm
Output	DVI-I connector (only DVI-D output)
Output Signal	Digital RGB or YPbPr data bit stream
Compliant With DVI Rev 1.0	up to 165MHz
Operation Frequency	PC：640x480=VGA60、VGA72、VGA75、
Input/ Output Resolution	VGA85
	PC：640x480=VGA60、VGA72、VGA75、
	VGA85
	800x600=SVTA56、SVGA60、SVGA72、
	SVGA75、SVGA85
	1024x768=XGA60、XGA70、XGA75、XGA85
	1152x864=MAC70、MAC75、MAC85
	1280x768=WXGA60RB、WXGA60
	1280x800=WXGA60RB、WXGA60、WXGA75
	1288x1024=SXGA60、SXGA75、SXGA85、
	1440x900=WXGA+60RB、WXGA+60、WXGA+75
	1600x1200=UXGA60
	1680x1050=WSXGA+60RB、WSXGA+60
	1920x1200=WUXGA60 Reduced Blanking
	(pixel-rate/154MHz)
	HD/RGB：480i60、576i50、480P60、576P50、
	720P60、720P50、1080P60、
	1080P50、1080P60、1080P50、
	1080P30
	Some PC monitor do not supports HD mode.
Dimensions (mm)	76(W)x 30(H)x105(D)
Power	5V 500mA~2A Center-positive
EDID	Built-in

8. DVI-I Pin Configuration

DVI-Integrated(DVI-I): Supports both analog and digital connections to the display. This 29-pin connector can carry single or dual-link all-digital video/data signals on 24 pins and uses 5 pins to carry analog video/data signals and ground.
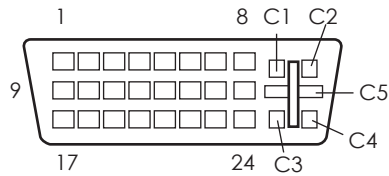
Combined Analog and Digital Connector Pin Assignments					
Pin	**Signal Assignment**	**Pin**	**Signal Assignment**	**Pin**	**Signal Assignment**
1		9	T.M.D.S Data1-	17	T.M.D.S Data0-
2		10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4 Shield	11	T.M.D.S. Data1/3 Shield	19	T.M.D.S. Data0/5 Shield
4		12		20	
5		13		21	
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (Return for +5V, Hsync, and Vsync)	23	T.M.D.S. Clock+
8		16	Hot Plug Detect	24	T.M.D.S. Clock-
C1		C2		C3	
C4		C5	Ground		

9. Connection and Installation

Monitor,HDTV,Projector

Computer

PC/HD to DVI Format Converter

RGB IN

VGACable

DVI Cable

or

YPbPr to VGA cable

DVD

YPbPr Component IN