DVI PC/HD to HDMI 720p/1080p Scaling Converter   ID# 660

Operation Manual

CONVERTERS.TV

Introduction

This unit not only allows you to connect a PC/DVI device such as a set top box or DVD player to a High Definition Display, but it will also upscale the video leading to a higher resolution and a better viewing image on your TV.

It can upscale PC/DVI input sources to HDMI output for a wide range of PC/HD resolutions. The unit will scale the input device and output at XGA/UXGA/720p/1080p resolutions. To switch between different output resolutions you simply press the "Output Timing" button on the side of the unit. When this button is pressed, a selection menu will appear on the TV allowing you to select the appropriate resolution for your purposes (XGA/UXGA/720p/1080p).
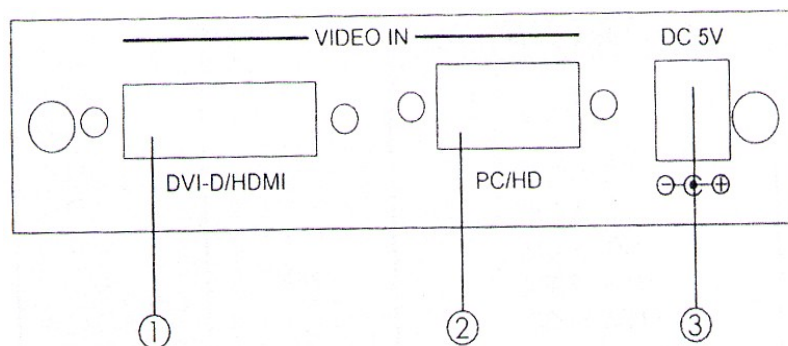
Up to two devices can also be connected to the unit at the same time, with a "Input Video" button allowing you to switch between which input device will be displayed on the connected HDTV. The unit also has Coax and L/R Audio input, with the unit transferring sound to HDMI output.

Features

1. HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
2. Support PC/HD resolution input: HDMI: 480p-1080p50/60

    DVI : VGA-WUXGA

    PC : VGA-WUXGA

    HD : 480i-1080p50/60Hz

3. Scale PC/HD/DVI/HDMI resolutions to XGA/UXGA/720p/1080p resolutions.
4. Support PC/HD&DVI/HDMI to HDMI output.
5. Transfer L/R and coaxial sounds to HDMI.
6. Input and output selection bottoms for easy and quick function chose.

Operation Controls and Functions

Front Panel

1. DVI-D IN: Connect the PC input DVI (29 pin) port to the DVI output port of your HDMI source equipment such like PC. Resolution: VGA- WUXGA ; 480p-1080p50/60

Note: DVI-D input can only take Digital signal.

2. PC/HD: Connect the PC input D-Sub (15-pin) port to the D-Sub output

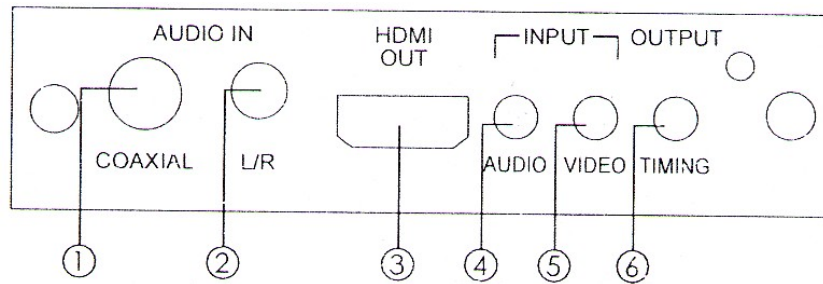port of your source equipment such like PC or a D-Sub to 3RCA to your source equipment like DVD player.

PC Resolution: VGA- WUXGA

Component Resolution: 480i-1080i, 1080P 50/60

3. Power: Plug the 5VDC power supply into the unit and connect the adapter to AC wall outlet.

Note: Output timing 1080p 50Hz may not be supported by some TV with input 576i/p@50, 720p50 and 1080150.
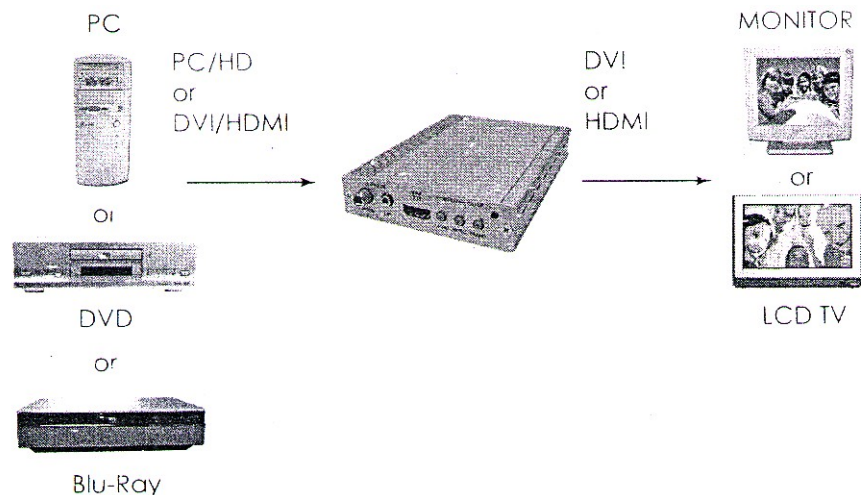
Rear Panel

1. **Coaxial:** Connect the coaxial audio cable from source device.
2. **L/R:** Connect the L/R phone jack from the source device.
3. **HDMI out:** Connect the HDMI cable to LCD TV or Monitor.
4. **Audio:** input audio switching button for selecting coaxial or L/R audio signal. Simply push the button and the selection menu will display on the TV.
5. **Video:** input video switching button for selecting DVI or PC/HD video signal. Simply push the button and the selection menu will display on the TV.
6. **Output Timing:** output resolution selectable on 720p / 1080p / XGA / UXGA. Simply push the button and the selection menu will display on the TV.

Note: A. Only when HDMI signal is send the selection of audio under HDMI will appear on the display and the audio will support PCM2ch.

   B. By pushing both Audio & Video buttons the output will switch to XGA.
   C. By pushing both Audio & Timing buttons the output will switch to 720p.

Connection and Installation

Support Resolution

Input		Output
Input		**Output**
Resolution	Vertical Rate	Resolution/Vertical Rate
VGA		
SVGA		
XGA		
SXGA		UXGA/60Hz
WXGA		X G A / 6 0 H z
UXGA	60Hz	720P/60Hz
WSXGA		1080P/60Hz
WUXGA		
480i/480p		
1080i		
1080p		
576i/576p		UXGA/50Hz (note 1)
720p	50Hz	XGA/50Hz (note 1)
1080i		720P/50Hz
1080p		1080p/50Hz (note 2)

Note 1 : This scaler doesn't support 50/60Hz frame rate conversion; therefore 50Hz PC resolutions may not be compatible with all displays.
Note 2 : The timing of 1080p 50Hz output signal is very critical; therefore it may not be compatible with all displays.

Specifications

Input ports	1 x PC/HD
	1 x DVI-D
	1 x Coaxial/Audio 1 x L/R Audio
Output port	
	1 x HDMI
Power Supply	
	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	
	160(D) x 102(W) x 25(H)
Weight(g)	
	332
Chassis Material	
	Aluminum
Silk Skin Color	
	Silver
Operating Temperature	
	Operating from · 0°C - 40°C