PC-HD to PC-HD Scaler w/PC-HD pass-thru - **ID# 694**

Operation Manual

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Introduction

PC-HD to PC-HD Scaler w/PC-HD pass-thru. Designed to upscale PC/HD input sources to a PC/HD output with a wide range of selectable resolutions available, up to WUXGA/1080p.

The unit can take an input and scale it PC resolutions VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA and WUXGA; or High Definition resolutions including 720p, 1080i, and 1080p.

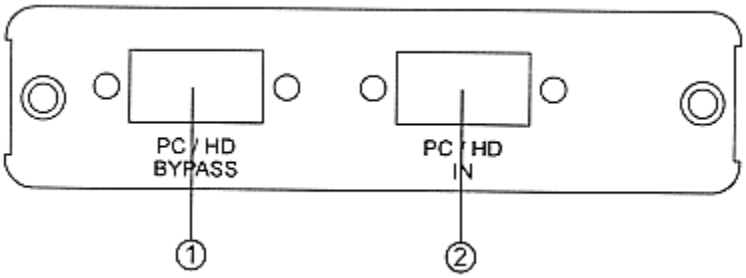
Users can select the size of the output through the on screen display with options including Full, Overscan, Underscan, Letterbox and Panscan. Other options including Finetune, Position, Brightness and Contrast allow you to adjust for the best possible picture quality.

Features

1. Scales any PC/HD resolutions to PC (VGA - WUXGA)/HD (480i - 1080p) resolutions.
2. Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size.
3. Supports high resolution output:
   PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
   SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
4. Supports YPbPr/RGBHV input/output.

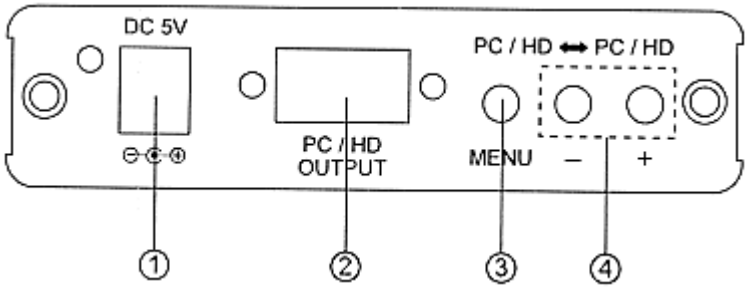
Operating Functions and Controls

Front Panel



1. PC/HD Bypass: Bypass the PC/HD input signal.
2. Input: Connect the PC input D-Sub (15-pin) port to the D-Sub output port of your source equipment such like PC.

Rear Panel



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1. Power: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.
2. PC/HD Output: Connect the PC output D-Sub (15-pin) port to the D-Sub input port of your display.
3. Menu Button: Press the MENU button to bring up OSD operation menu. (See section "4. OSD Operation" for reference.)
4. +/- Button:

1. On the first tier of OSD menu, use + and - buttons to move up/down the highlight item for selection.
2. Once the desired option is selected, use + and - buttons to toggle between setting values.

Note: Reset: Press [MENU] and then [- to switch to 480p mode. Press [MENU] and then [+] to switch to XGA mode.

OSD Operation

1 st Tier Option	2nd Tier Option	Adjustment
CONTRAST	-	0 - 100 of Contrast Level
BRIGHTNESS	-	0 - 100 of Brightness Level
FINETUNE	- HUE	0 - 100 of Hue Level
	- SATURATION	0 - 100 of Saturation Level
	- SHARPNESS	0 - 100 of Sharpness Level
	EXIT	Back to 1st Tier
COLOR	- RED	0 - 100 of Red Color Level
	- GREEN	0 - 100 of Green Color Level
	- BLUE	0 - 100 of Blue Color Level
	EXIT	Back to 1st Tier
SIZE		FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANSCAN
OUTPUT		NATIVE / VGA / SVGA / XGA / SXGA /UXGA / WXGA / WSXGA / WUXGA / 480i / 480p /720@60Hz / 10801@60Hz / 1080p@60Hz / 576i / 576p / 720p@ 50Hz / 1080i@50Hz / 1080p50Hz
OSD	- HPOSITION	0 - 100 of OSD Horizontal Position
	- VPOSITION	0 - 100 of OSD Vertical Position
	- TIMER	0 - 100 of OSD Existing Time (sec.)
	- BACKGROUND	0 - 100 of OSD Transparent Level
	EXIT	Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
EXIT		Close OSD Menu

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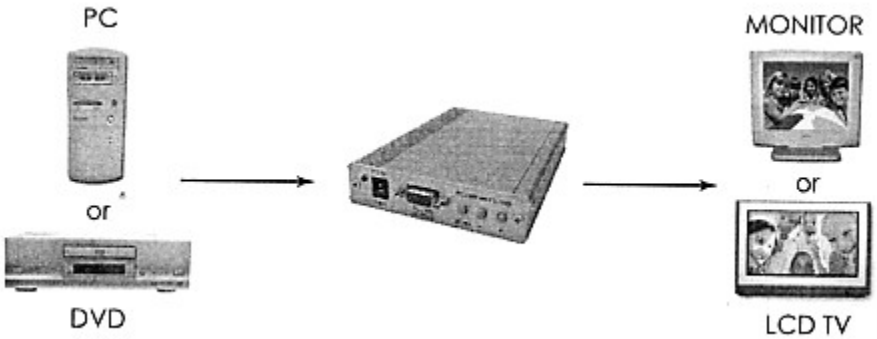
Support Resolution

Input/Output Resolution	PC INPUT	PC OUTPUT
	PC/HD	PC/HD
4801/5761 (NTSC/PAL)	V	V
480P/576P	V	V
720P@(50/60)	V	V
1080i@(25/30)	V	V
1080P@ (50/60)	V	V
VGA@(60/72/75/85)	V	V@60
SVGA@ (56/60/72/75/85)	V	V@60
XGA@(60/70/75/85)	V	V@60
SXGA@ (60/75/85)	V	V@60
UXGA@60	V	V
WXGA@60(1 280x800)	V	V
WSXGA@60(1 680x1050)	V	V
WUXGA@60(1920x1 200)	V	V

Note: 1920 x 1200 = Reduced Blanking WUXGA

Installation



Specifications

Input ports	1 x PC
Output port	1 x PC
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	157(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 Power
Consumption	10W (max)

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