



# SY-P290

PC/DVD/HD to HDMI Scaler

## OPERATION MANUAL





## *Precautions*

Failure to follow the precautions described below may cause damage to this device and void the warranty.

- DO NOT open the case. This will void the warranty, if you find a problem with this product, please return it to your retailer or seller who will assist you or provide you with a solution.
- DO NOT use third-Party AC adaptors or power cords. This may damage the Matrix.
- DO NOT bump, jar or drop the product because it may cause damage and void the warranty.
- DO NOT allow liquids to come into contact with the Matrix because they may cause damage.



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## 1. Introduction

The SY-P290 is designed to convert and scale Digital or Analogue RGBHV or YUV to HDMI for improved viewing. This unit offers a wide selection of output resolutions/format, colour space and adjustment to obtain the best picture quality.

## 2. Applications

- Individual home use
- Classroom presentations
- Meeting demonstrations
- Gaming / entertainment

## 3. Package Contents

- SY-P290 Scaler
- Power adaptor
- Operation Manual



#### 4. System Requirements

- Source with PC,DVI-D or Component output and HDTV/Monitor.
- RCA - D-SUB cable (for connecting component sources) / D-SUB to D-SUB cable for connecting a PC, DVI/HDMI to DVI-D cable for connecting a HDMI source to the input or a DVI display.
- Coaxial or audio phono jack cable for connecting either analogue or digital audio output from your source.

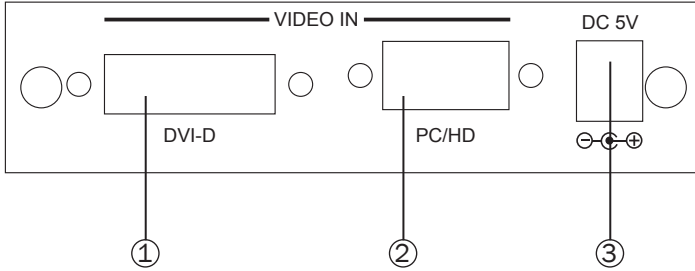
#### 5. Features

- v1.2 HDMI, HDCP 1.1 and DVI 1.0 compliant
- PC/DVI to HDMI Converter
- Common supported resolutions: HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24; PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA,WUXGA.
- Audio Support: Input - Analogue stereo & Coax; PCM Stereo, DTS & Dolby Digital; Output - Follows Input
- Scale analogue RGBHV/YUV and/or DVI/HDMI resolutions to XGA/UXGA/720p/1080p
- Direct push button controls for Audio, Video & Timing



## 6. Operation Controls and Functions

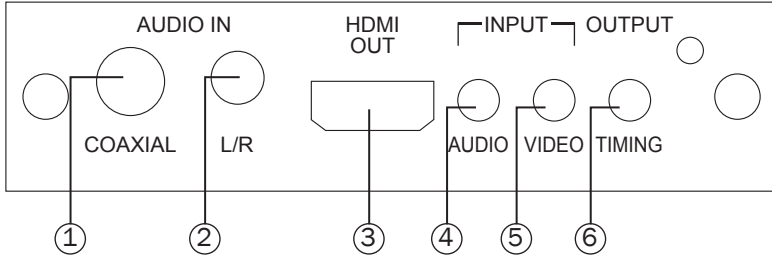
### 6.1 Front Panel



1. DVI-D IN: Connect the DVI (29 pin) port to the DVI output port of your source equipment such as a PC. Supported Resolutions: VGA~ WUXGA  
*Note: DVI-D input can only accept a DVI-D signal.*
2. PC/HD input: Connect the PC input D-Sub (15-pin) port to the D-Sub output port of your source equipment such as a PC or use a D-Sub to 3RCA cable to connect to a component video source such as a DVD player.  
Common supported resolutions: HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24; PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA.  
*Note: Output timing 1080p 50Hz may not be supported by some TV when the input is 576i/p50, 720p50 and 1080i/p50.*
3. Power: Plug the 5VDC power supply into the unit and connect the adaptor to an AC wall outlet.



## 6.2 Rear Panel



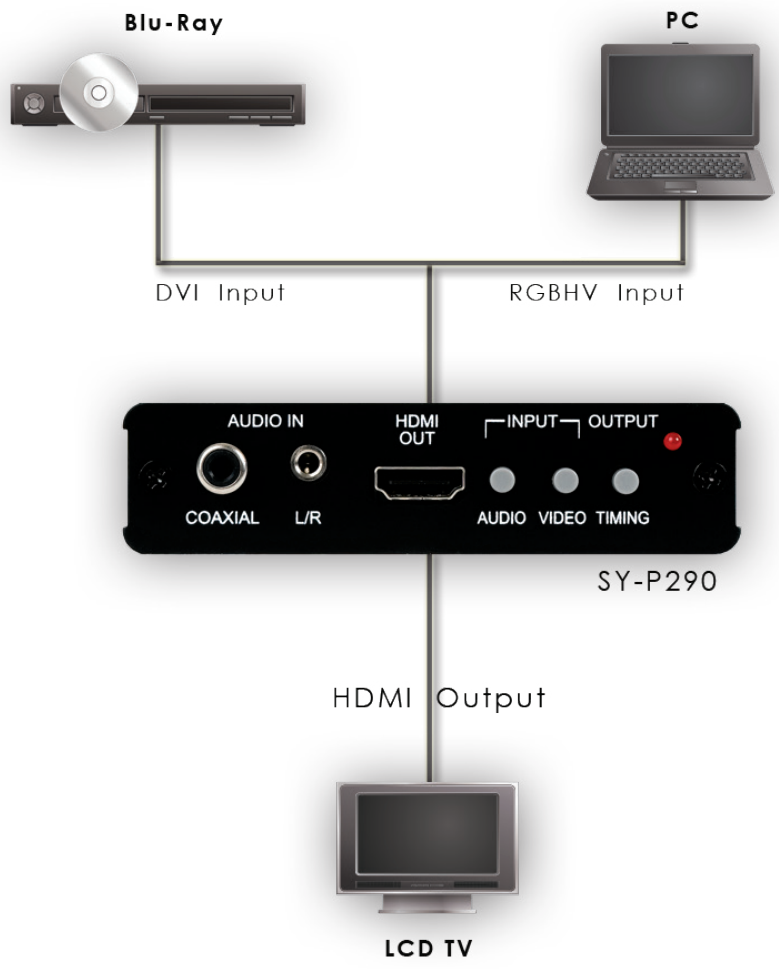
1. Coaxial input: Connect the coaxial audio output of the source device to this input.
2. L/R audio input (3.5mm): Connect the L/R audio from the source device to this input.
3. HDMI output: Connect to your displays hdmi input
4. Audio input Select button: Press the button to access the menu and select which audio input (Coaxial or L/R) you want to transfer to the HDMI output.
5. Video Input Select button: Press the button to access the menu and select between the DVI or PC/HD video as the input source.
6. Output Timing button : Press this button to access the menu and select 720p / 1080p / XGA /UXGA as the output resolution.

### Notes:

- Only when HDMI signal is send the selection of audio under HDMI will appear on the display and the audio will support PCM 2ch.
- Press the 'audio' and 'video' buttons simultaneously to set the output to XGA.
- Press the 'audio' and 'timing' buttons simultaneously to set the output to 720p.



## 7. Connection Diagram







## 8. Specifications

Input ports	1 x PC/HD 1 x DVI-D 1 x Coaxial Audio 1 x L/R Audio
Output ports	1 x HDMI
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	102 (W) x 160 (D) x 25 (H)
Weight (g)	332
Chassis Material	Aluminium
Silk Skin Colour	Black
Operating Temperature	Operating from 0°C ~ 40°C

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