DVI to VGA Scaler Box

Operation Manual

Introduction

This unit is a high performance PC/HDTV two-way scaler that accepts Digital DVI-D input and converts to analog RGB output. The DVI to VGA scaler box is the latest in technology, which has been designed to meet the needs of those on the cutting edge.
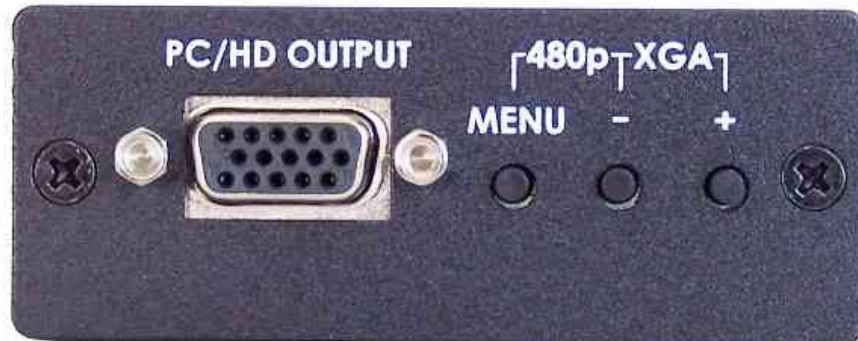
Precautions

1. Do not expose this product to direct sunlight.
2. Keep the unit away from radiator, heat sources and magnetic field.
3. Do not place it in very dusty or humid locations.
4. Use this unit in a horizontal position only.
5. Do not put heavy objects on top of the converter.
6. Put the unit in an open space that has good ventilation.
7. If the unit is acting abnormally keep the unit away from TV or other electronic equipment.
8. Unplug the unit from the power supply when it is not to be used for a long period of time.

Features

- It is a high performance PC/HDTV two-way scaler that accepts Digital DVI-D input and converts to Analog RGB output.
- Input to the DVI to VGA Scaler Box is digital PC or HDTV signal in the format of either RGBHV or YPbPr /YCbCr data bit-stream via a 24-pin DVI connector.
- Output of the DVI to VGA Scaler Box is Analog PC or HDTV signal in the format Analog RGBHV or YPbPr via a HD-15 VGA connector.
- Input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48 MB frame memory for frame rate conversion.
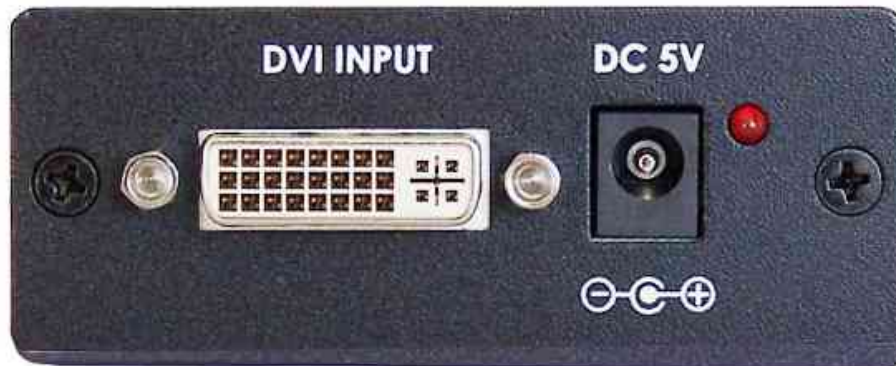- Output picture adjustment on brightness, Contrast, Color and H-V position.

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Operation Controls and Functions

Front Panel

1. **PC/HD Output-** This is the output port. A HD-15 VGA connector cable is used to connect the output to your output device (PC/HDTV).
2. **Menu-** When the menu is selected it allows you to select the picture adjustment on brightness, contrast, colour and H-V position.
3. **"– And +" buttons-** These buttons are used to change the picture adjustment. They allow you to increase or decrease brightness, contrast, colour and the H-V position.

Rear Panel

1. **DVI Input-** This is the video input port. A 24-Pin DVI connector is used to connect the input port to your input device. (DVI).
2. **Power- DC 5V-** This is the power supply input port. It is to be used with the power pack supplied.

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Connection and Installation

The AC adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Using your connector cable connect the output port (Number 1 on the front panel) to the output device. The output either being PC or HDTV.
- Using your connector cable connect the input port (Number 1 on the rear panel) to the input device. Input being DVI.
- The menu allows you to adjust the output resolution and refresh rate using the front panel push buttons. It also allows you to adjust brightness, contrast, color, RGB level and H-V position

Once all connections are complete please connect the power supply provided to the power socket.

Specifications

Input resolutions

Digital	PC (RGBHV)		HDTV (YcbCr, YPbPr, RGBHV)		
VGA	640 X 480	60/72/75/85 Hz	1080i	1920X1080	60 Hz
VESA85	640 X 400	85 Hz	720p	1280X720	60 Hz
VGA70	720 X 400	70 Hz	576p	720X576	50 Hz
SVGA	800 X 600	60/72/75/85 Hz	480p	720X480	60 Hz
XGA	1024 X 768	60/72/75/85 Hz	576i	720X576	50 Hz
Mac	1152 X 864	70/75 Hz	480i	720X480	60 Hz
WXGA	1280 X 768	60 Hz			
1280A	1280 X 960	60 Hz			
SXGA	1280 X 1024	60 Hz			

Output resolution

Digital	PC (RGBHV)		HDTV (YPbPr, RGBHV)		
VGA	640 X 480	60/72/75/85 Hz	1080i	1920X1080	60 Hz
VESA85	640 X 400	85 Hz	720p	1280X720	60 Hz
VGA70	720 X 400	70 Hz	576p	720X576	50 Hz
SVGA	800 X 600	60/72/75/85 Hz	480p	720X480	60 Hz
XGA	1024 X 768	60/72/75/85 Hz			
Mac	1152 X 864	70/75 Hz			
WXGA	1280 X 768	60 Hz			
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Input format: Digital YCbCr, YPbPr, RGBHV
Input signal: Digital RGB Data bit-stream
Input connector: 24 Pin- DVI-D connector.
Output format: Analog RGBHV, YPbPr
Output signal: RGB 0.7 Vp-p, 75 ohm H/V: 3 to 5 Vp-p TTL
Y: 1 Vp-p 75ohm, Pb/Pr: 0.7 Vp-p 75 ohm.
Output connector: HD 15-Pin Female
Power: 5V 2A Center-positive