

# CP-300VD

## VGA to DVI Scaler

Operation Manual



CP-300VD

## • **Safety Precautions**

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

## • **Revision History**

<b><i>Version No</i></b>	<b><i>Date</i></b>	<b><i>Summary of Change</i></b>
<b><i>VR0</i></b>	<b><i>20110413</i></b>	<b><i>Preliminary Release</i></b>

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## **1. Introduction**

This Scaler Box is design to display your VGA image on the DVI monitor with better viewing image. It can upscale VGA input sources to DVI output for wide-range of PC resolution; the resolution supports from VGA to WUXGA. This unit allows user with a variety of output resolutions and adjust for the best picture quality. Move over, with built-in hot-key OSD function and display it helps user to view and select the desire resolution instantly..

## **2. Applications**

- Convert PC timing into VI timing
- Convert analog RGB signal into digital RGB DVI signal

## **3. Package Contents**

- VGA to DVI Scaler Box
- 5V DC Power Adaptor
- Operation Manual

## **4. System Requirements**

Input source equipment such as PC/NB signal and output to display monitor or display with connection cable.

## **5. Features**

- Support PC resolution bypass from VGA to WUXGA@60RB
- Supports bypass mode, manual mode and TV native mode
- Auto-Detection and Hot plug

## 6. Specifications

Input Port	1 x VGA
Output Port	1 x DVI
Power Supply	5V DC / 1A linear power adaptor (US/EU standards, CE/FCC/UL certified) Or 5V/1.2A switching power adaptor (with universal plug, CE/FCC/UL certified)
ESD Protection	Human body model: $\pm 8\text{kV}$ (air-gap discharge) $\pm 6\text{kV}$ (contact discharge)
Dimensions (mm)	110 (W) x 62 (D) x 20 (H)
Weight(g)	76
Chassis Material	Plastic
Silkscreen Color	Black
Power Consumption	100W
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)
Power Consumption	2.8W

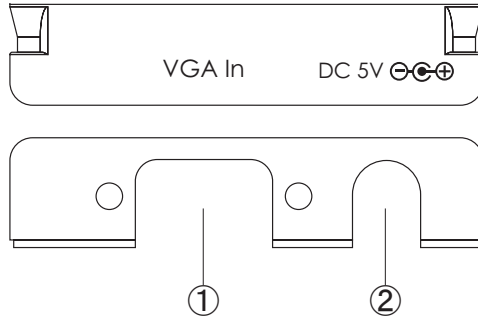
## 7. Operation Controls and Functions

### 7.1 Top Panel



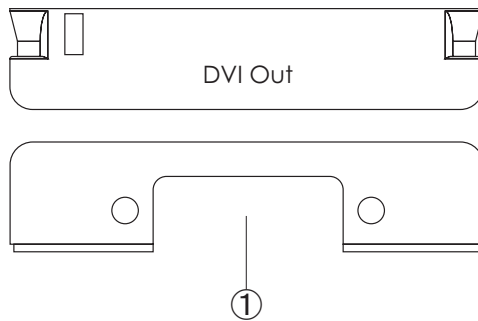
- ① Timing button: Press this button to switch the EDID for bypass, manual or native mode. The OSD will display on the left top screen of the output display with both input and output timing. Detail description in OSD chart.
- ② Power LED: This LED will illuminate in green when the power is connected with power supply.

## 7.2 Left Panel



- ① VGA In: This slot is to connect to input source equipment such as PC/NB with VGA cable.
- ② DC 5V: Plug the 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

## 7.3 Right Panel



- ① DVI Out: This slot is to connect to output display or monitor with DVI cable.

## 8. OSD Chart

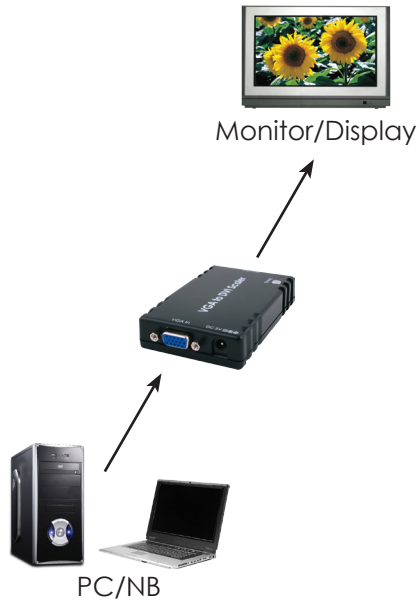
Input timing	Timing rate	Output timing rate (Hz)		
		Manual mode	Native mode	Bypass mode
640x350	85	No support	No support	85
640x400	85	No support	No support	85
640x480	60,72,75,85	60	60	60,72,75,85
800x600	56,60,72,75,85	No support	No support	56,60,72,75,85
848x480	60	No support	No support	60
1024x768	60,70,75,85	No support	No support	60,70,75,85
1152x864	75	No support	No support	75
1280x720	60	60	60	60
1280x768	60,75,85	No support	No support	60,75,85
1280x800	60,75,85	60	60	60,75,85
1280x960	60,85	No support	No support	60,85
1280x1024	60,75,85	No support	No support	60,75,85
1360x768	60	60	60	60
1366x768	60	60	60	60
1400x1050	60	No support	No support	60
1440x900	60,75,85	No support	No support	60,75,85
1600x1200	60	No support	No support	60
1680x1050	60	No support	No support	60
1920x1080	60	60	60	60
1920x1200RB	60	60	60	60

### NOTE:

1. Timing 1366 x768@60 & 1360x768@60 will output → 1366 x768@60  
Timing 1400x1050@60 & 1680x1050@60 will output → 1400x1050@60
2. Both Manual & Native mode will only output image when the input source support 60Hz.
3. Under Manual & Native mode's non-support timing the output will switch to bypass automatically in order to ensure image display all time.



## 9. Connection and Installation



# Acronyms

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## **Acronym**

## **Complete Term**

DVI	Digital Visual Interface
EDID	Extended Display Identification Data
OSD	On Screen Display
VGA	Video Graphics Array



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