# CP-292 DVI-I to Component (HD) Scaler Box

## Operation Manual

CP-292

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# 1.Introduction

This Scaler Box is designed to upscale DVI-I input sources to HD output of wide-range HDTV resolutions; the resolution is up to 1080p. This unit has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality.

# 2. Main Features

- DVI 1.0 compliant.
- Scales any PC/HD resolutions to HD (480i ~ 1080p) resolutions.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size.
- Supports high resolution output:
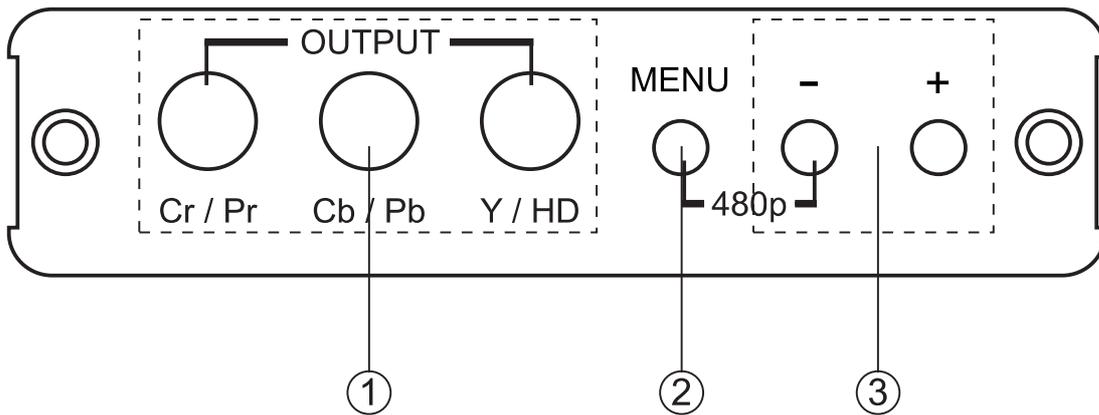  SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p

# 3. Operation Controls and Functions

## 3.1 Front Panel
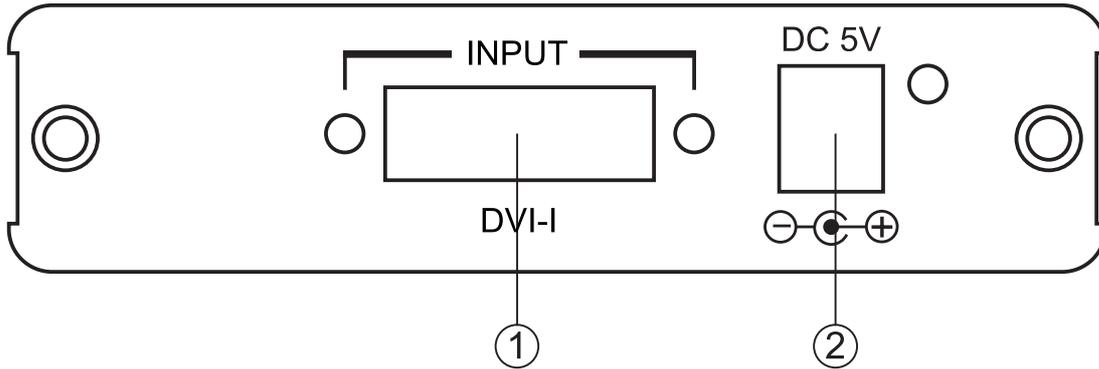


① DVI-input: Connect the DVI-I input port to the output port of your source equipment.

② Power: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

## 3.2 Rear Panel



① Component output: Connect the component output port to the component input port of your display.

② Menu Button: Press the MENU button to bring up OSD operation menu. (See section "4. OSD Operation" for reference.)

③ +/- Button:

· On the first tier of OSD menu, use + and – buttons to move up/down the highlight item for selection.

· 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.

# 4. OSD Operation

| 1$^{st}$ Tier Option | 2$^{nd}$ 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 1$^{st}$ 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 1$^{st}$ Tier |
| SIZE | - | FULL / OVERSCAN / UNDERSCAN / LETTERBOX / PANSCAN |
| OUTPUT | - | 480i / 480p /720p@60Hz / 1080i@60Hz /1080p@60Hz / 576i / 576p /720p@50Hz / 1080i@50Hz / 1080p@50Hz |
| 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 1$^{st}$ Tier |
| INFORMATION | - | SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version) |
| EXIT | - | Close OSD Menu |

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# 5. Connection and Installation



DVD Player      DVI-I      Componect      TV

# 6. Specifications

| | |
|---|---|
| Input ports | 1 x DVI-I (DVI-D,PC) |
| Output port | 1 x Component (Y/Pb/Pr) |
| 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) | 320 |
| Chassis Material | Aluminum |
| Silk Skin Color | Silver |
| Operating Temperature | Operating from 0°C ~ 40°C |

# 7. Support Resolution

| | DVI-I INPUT | Component OUTPUT |
|---|---|---|
| | PC/HD | SD/HD |
| 480I/576I (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 | |
| SVGA@(56/60/72/75/85) | V | |
| XGA@(60/70/75/85) | V | |
| SXGA@(60/75/85) | V | |
| UXGA@60 | V | |
| WXGA@60(1280x800) | V | |
| WSXGA@60(1680x1050) | V | |
| WUXGA@60(1920x1200) | V | |