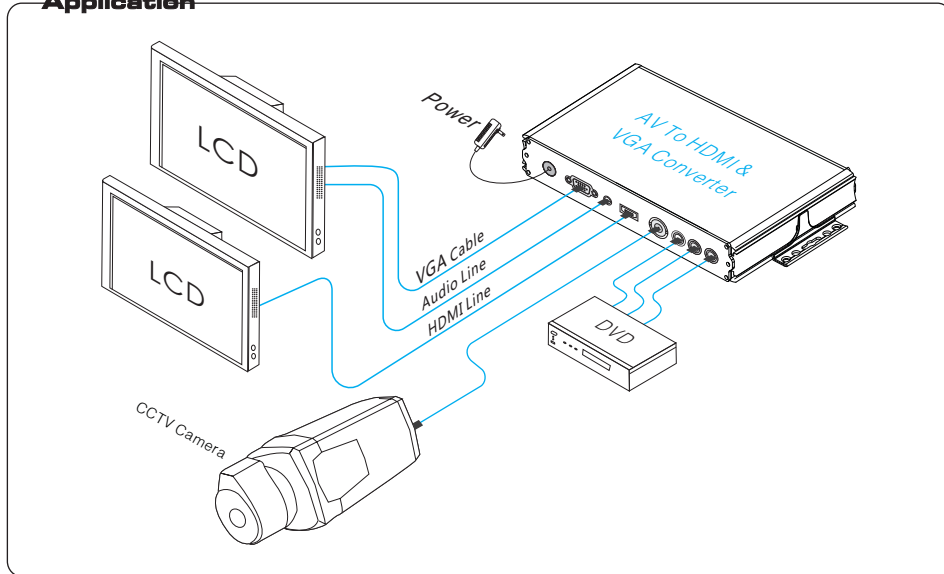


# AV To HDMI & VGA Converter

This is the device which can convert analog video signal to VGA and HDMI signal at the same time. It supports PAL, NTSC format video input, support up to 1920 \* 1080 @ 60Hz output video signal, and can set the video output resolution at the same time. It meets the demand of different occasions, plug and play, easy to use.

## Application

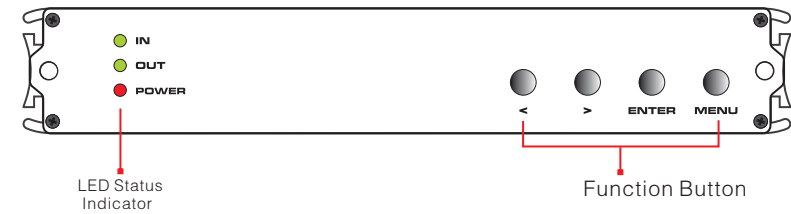


## Feature

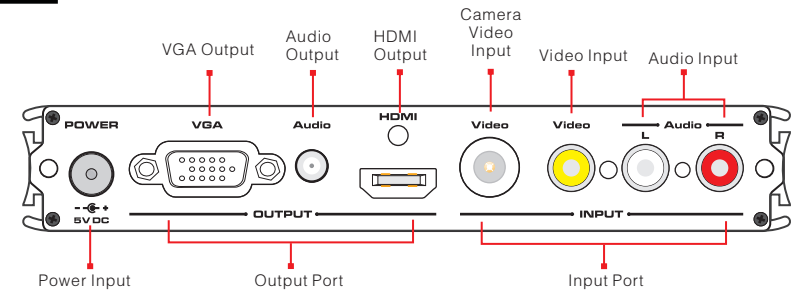
- Power: DC 5V;
- Compatibly: Support PAL, NTSC format video input, support RCA and BNC port;
- Output: VGA output support max. 1920\*1080@60Hz, HDMI output support max. 1080P;
- Function: Memory function and can record setting information, no need to reset after restart;
- Interface: DC socket and HDMI port can be fixed, safety and fastness;
- Installation: Small size, fast installation, plug-and-play.

## Board Diagram

### Front



### Back



## Installation Step

Please check the following items before installation. If any missing, please contact the dealer.

- |                              |      |
|------------------------------|------|
| ● AV To HDMI & VGA Converter | 1pc  |
| ● Power Adapter              | 1pc  |
| ● Hanger                     | 2pcs |
| ● User Manual                | 1pc  |

### Please follow the following step

- 1) Please turn off the signal source and the device's power, installation with power on may damage the device;
- 2) Use RCA cable or camera to connect with Converter's BNC connector or RCA connector;
- 3) Use VGA cable to connect with Converter's VGA video output port and display device's VGA input port;
- 4) Use audio cable to connect with Converter's audio output port and display device's audio input port;
- 5) Use HDMI cable to connect with Converter's HDMI video output port and video source's HDMI output port;
- 6) Connect Converter's power line;
- 7) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 8) Check if the network device has power supply, working is normal.

## Software Setting

Press <MENU> into Main MENU:

—, PICTURE: Use "<" and ">" key to select " PICTURE", Press <ENTER> key, Enter the image setup submenu;

- 1) Contrast: Adjust video contrast, the range is 0–255
- 2) Brightness: Adjust the brightness of the video, the range is 0–255
- 3) Saturation: Adjust video saturation, the range is 0–255
- 4) Hue: Adjust the shade of the video, the range is 0–255
- 5) Sharpness: Adjust video sharpness, the range is 0–127

二, SET UP: Use "<" and ">" key to choose" SET UP", Press <ENTER> key, Enter setup submenu ;

- 1) Input Source: Select the video input source
  - CVBS (RCA): Select CVBS (RCA) as the video input source
  - CVBS (BNC): Select CVBS (BNC) as the video input source
- 2) Out Resolute: Select the resolution of the output video types
  - HD(720p)60 : Select HDMI output resolution 720P@60Hz,VGA output resolution 1280\*720/60Hz
  - HD(720p)50: Select out put resolution 720P 50Hz,VGA output resolution 1280\*720/50Hz
  - HD(1080i)60: Select Output Resolution :1080I 60Hz,don't support VGA output
  - HD(1080i)50: To Select Output Resolution:1080I 50Hz,don't support VGA output
  - HD(1080p)60: To Select Output Resolution 1080P 60Hz,VGA Output Resolution1920\*1080/60Hz
  - HD(1080p)50: To select Output Resolution1080P 50Hz,VGA output resolution 1920\*1080/50Hz
- 3) Out pattern: Select the output video test image style
  - DISABLE——Select without output video test images
  - WHITE——Select output white video test images
  - CROSS——Select the output Cross video test image
  - HATCH——Select output video grid test images
  - COLOR——Select the output color video test images
  - GRAY——Select the output level 16 gray–scale video test images
  - H RAMP——Select white video test image output area
  - WH RAMP——Select white video test image output area
  - WV RAMP——Select the output level gray gradient of image video test
  - DIAGONAL——Select output gray gradient of vertical video test images
- 4) Aspect Ratio: Select output video display
  - 4:3——Select the output images display 4:3 ratio
  - 16:9——Select the output images display 16:9 ratio
- 5) Zoom Level: Select output video zoom level
  - OFF——Select the output without zoom video
  - 1/2/3/4——Select the zoom level, level range from grade 1 to grade 4
- 6) In–Sync Info: Check the input video information

### Attention

- It is not support Input CVBS (RCA) and CVBS (BNC) at the same time. Only Support One Signal Input to VGA and HDMI output together.
- Set up will be saved after the operation. Press < MENU > for a few minutes can restore to default values.

## Specification

	Item	Description
Power	Power Supply	DC 5V
	Consumption	<5W
Function	Video Input Format	PAL, NTSC
	Video Input Port	BNC/RCA
	Audio Input Format	Left and Right Channel
	Audio Input Port	RCA
	VGA Video Output Resolution	1280*720/60Hz, 1280*720/50Hz, 1920*1080/60Hz, 1920*1080/50Hz
	VGA Video Output Port	Female VGA Port
	HDMI Video Output Resolution	720P, 1080i, 1080P
	HDMI Video Output Port	Female HDMI Port
LED Status Indicator	Power	Red
	Input & Output LED	Green(Output LED indicator is on when HDMI output, is off when VGA output)
Protection	ESD	1a Contact Discharge 3Level 1b Air Discharge 3Level Per: IEC61000–4–2
Environmental	Working Temperature	0°C~55°C
	Storage Temperature	-20°C~70°C
	Humidity (non–condensing)	0~95%
Mechanical	Dimension (L x W x H)	153mm x 73mm x 25.5mm
	Material	Aluminum
	Color	Black
	Weight	232g
Stability	MTBF	>30000h

*Product are subject to change without prior notice*

## Trouble Shooting

Please find the following solution when the device doesn't work

- Please confirm if the installation is correct;
- Please check if the power supply is normal, if the power LED is Red;
- Please replace a normal device with a failure one to check if the device is broken;
- If the problem still exist, please contact the factory.