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BNCSV-VGA-CNVTR

Video Converter User Manual
AV/BNC TO VGA

Thank you for choosing our video converter. We hope this product could bring you a perfect visual experiences. Before using it, please read this manual carefully for your better knowledge of all the functionalities of this converter.

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Disclaimer

Manufacturer bears no any compensation responsibilities for any loss resulted from any misuse of the product mentioned in this manual if user fails to operate or use in accordance with the instructions stated below.

The manufacturer reserves the rights to modify the product or its system mentioned herein from time to time to improve its reliability, functionalities or designs without prior notification.

The manufacturer reserves the rights of final interpretation of this manual.





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I. Introduction

This video converter can convert the source signals of CVBS, VIDEO and S-VIDEO into VGA signal. With adoption of advanced video straight-through technology, the source signals of BNC, AV and S-VIDEO can be converted into progressive scanning vga signal without any data loss. What is more, the parameters of the program source such as brightness and contrast are adjustable. It supports plug-and-play, no driver program installation is needed.

II. Performance Features

1. Supported conversion of video signal formats: from CVBS or S-VIDEO signal into frequency multiplication processed high-resolution VGA signal.

2. Multiple input signal formats are supported: CVBS, S-VIDEO and VGA. Also automatic identification of the two color systems i.e. PAL and NTSC is supported.

3. Support output resolution(4:3 screen):

800*600@60/75Hz;1024*768@60Hz;1280*1024@60Hz;1600*1200@60Hz

4. Support output resolution(16:9/16:10 screen):

1280*720@60Hz;1366*768@60Hz;1440*900@60Hz;1600*900@60Hz;

1680*1050@60Hz;1920*1080@60Hz;1920*1200@60Hz

5. Adjustable brightness, contrast, color saturation and hue.

6. Current working status can be saved on accidental power-off.

7. OSD caption prompts function for all operation and status.

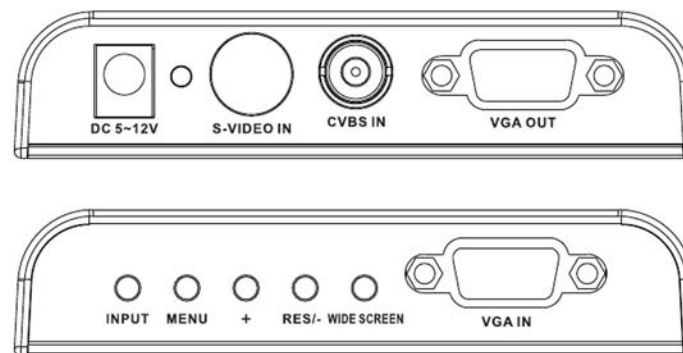
8. Dimensions: 105mm(max. length)x 59mm(max. width)x 23 mm(max. Height).

Note: The manufacturer provides OEM and ODM service ,and is capable of making special modification on the product as per client's requirements.

III. Product Parts List (standard configuration)

Parts Name	Quantity	Notes
Host machine	1	
VGA cable	1	
VIDEO cable	1	
S-VIDEO cable	1	
Power supply cable	1	5V/1A
User manual	1	

IV. Sketch Map



V. Ports Description (refer to the sketch in Section IV)

- VGA OUT.....to PC monitor
- VGA IN.....to PC graphic card
- S-VIDEO IN.....to DVD/VCD etc.
- CVBS INto monitor camera or video matrix
- Power 5-12V.....Support 5-12v wide voltage input

VI. Installation and Settings

1. Get the product well connected according to “Connection Sketch of Video Converter” on Page 7.

2. Select the source signal and adjust the picture color quality. A brief description of the keys are as the following:

◇ **Input**....Video input selection: switch between CVBS >>S_VIDEO(C/Y) >> VGA

◇ **Menu**....Menu key: switch for adjustments between menu items Resolution, Contrast, Color saturation and Hue.

When BRIGHT is displayed,press **+** to increase the brightness of image and Resoution/-to decrease.

When CONTRAST prompt is displayed,press **+** to increase thecontrast degree of image and press **Resolution/-** to decrease.

When Saturation is displayed, press **+** to increase the color saturation of image, and press **Resolution/-** to decrease.

When Hue is displayed, press **+** to increase image hue and press **Resolution/-** to decrease.

◇ **Resolution/-**... When menu is closed, press this key to select resolution:

800*600@60/75Hz;1024*768@60Hz;1280*1024@60Hz;1600*1200@60Hz

◇ **Wide Screen**: Press this key to select resolution

for Wide Screen:

1280*720@60Hz;1366*768@60Hz;1440*900@60Hz;1600*900@60Hz;

1680*1050@60Hz;1920*1080@60Hz;1920*1200@60Hz

◇ Press **Input** and **Resolution/-** at the same time to restore the **default settings**.

Default settings:

Signal input channel: CVBS

Output Resolution: 1024*768@60Hz

Brightness: 50 Contrast: 50

Color saturation: 50 Hue: 0

3. Notes for installation and configuration:

◇ **Power**: please use 5- 12VDC power supply, otherwise the product may not work normally or may get burnt.

◇ **Input video signal**:

Supports S_v video and CVBS, self-adaptive to PAL/NTSC

Signal peak value: 1.0V_{pp}

Resistance: 75 Ω

◇ Output VGA signal (when S-VIDEO or CVBS is selected):

R,G,B signal peak value: 0.7Vpp resitance: 75Ω

Field synchronizing signal peak value: 3Vpp resitance: 75Ω

Line synchronizing signal peak value: 3Vpp resitance: 75Ω

◇ Button

Button type: single.

Single button operation: press down the button and for at least 75 milliseconds, then release.

Combined operation: press down and hold the first button, and then press down the second button, keep both buttons pressed down for at least 75ms, then release.

VII. Trouble shooting

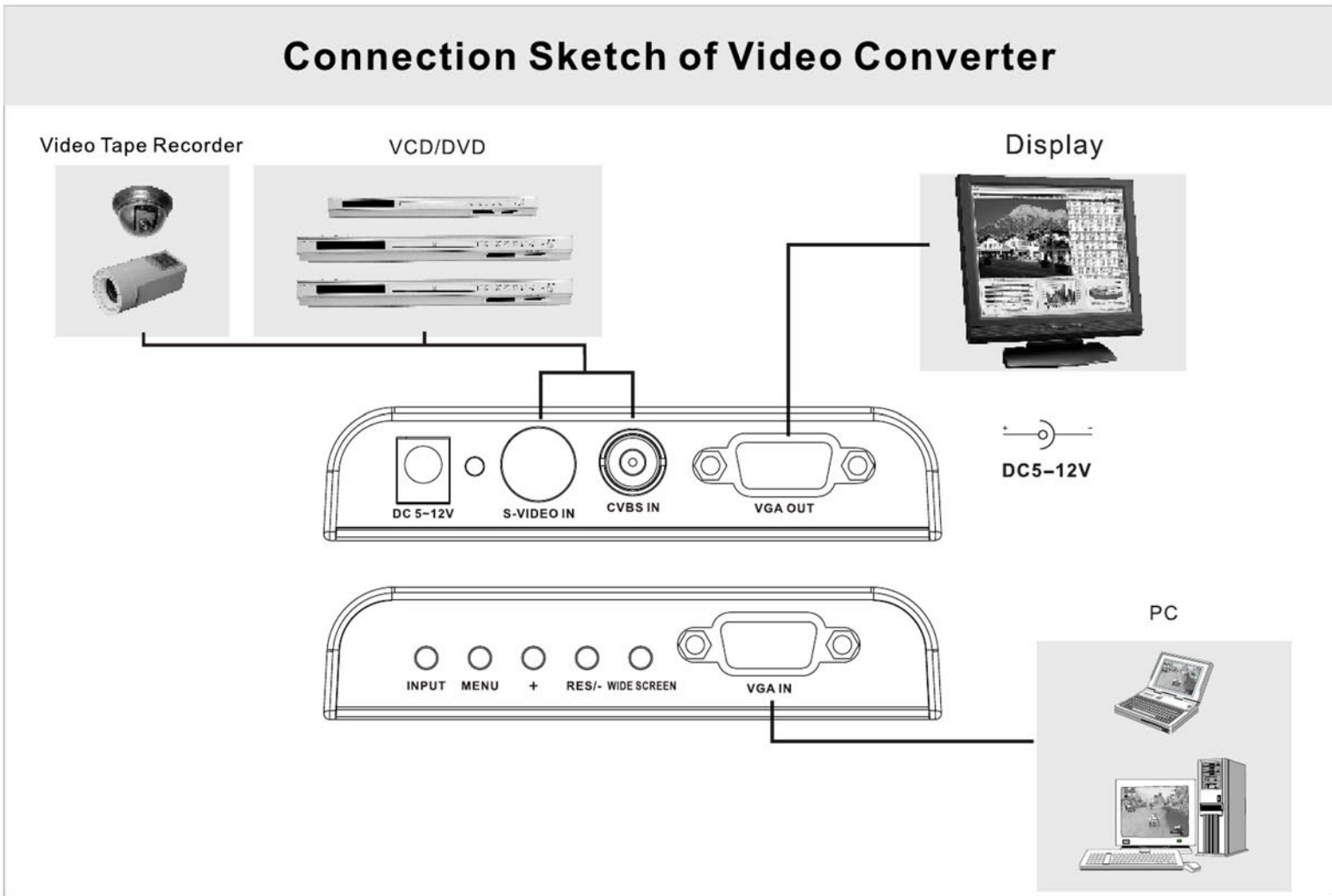
1. No VGA output displayed

Check to see if the power is connected, if the indicators are lighted. Also check if the output equipment is normal condition, and if blue screen or no screen is displayed, check to see if the video input port is correct.

2. No image displayed on monitor

Press Input to select video output.

Connection Sketch of Video Converter



Specifications

Output resolutions	<ul style="list-style-type: none">• 4:3 screen: 800x600@60/75Hz, 1024x768@60Hz, 1280x1024@60Hz, 1600x1200@60Hz.• 16:9/16:10 screen: 1280x720@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz.
Output port	HD15 Female
Input ports	BNC, 4-pin miniDin (S-Video), HD15 Female (VGA)
Formats supported	PAL and NTSC
Power	100 to 240 VAC at 50 or 60 Hz/5VDC 1.0A AC Adapter
Operating Temperature	0 - 60 deg C
Operating Humidity	0 - 95% (non-condensing)
Dimensions (WxDxH)	4.134x2.325x.895 inches (105x59x23mm)
Approvals	CE, FCC