Video Converter

User Manual

AV/BNC to VGA

Part Number: 82-10773

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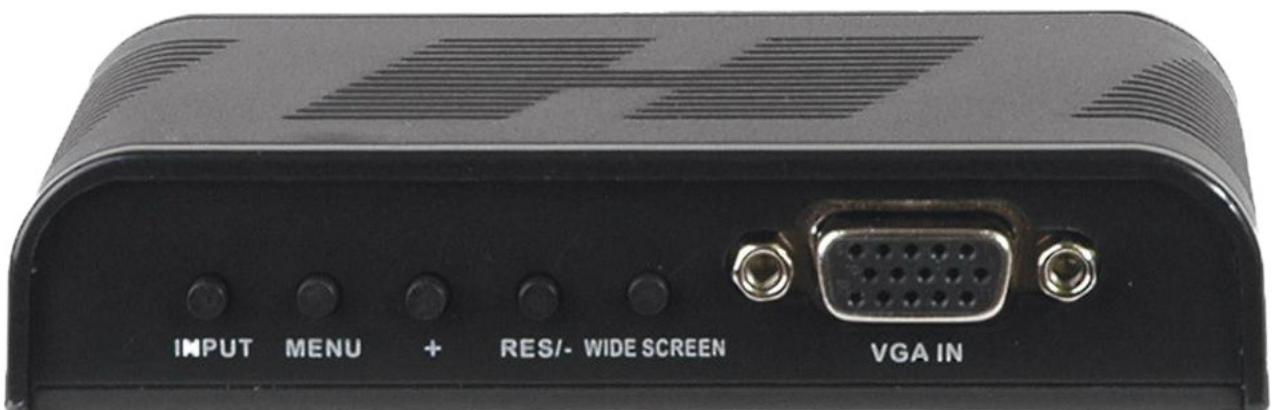
Introduction

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.
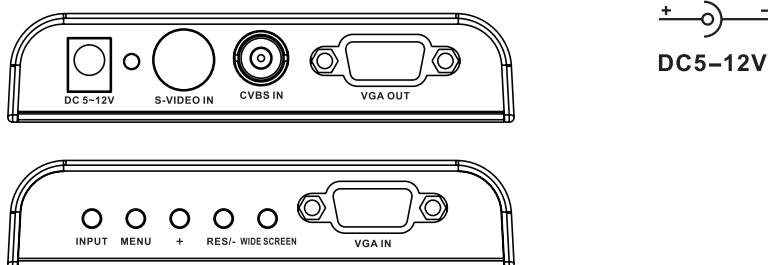
Performance Features

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 colour 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, colour 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) × 65mm (max. width) × 27mm (max. Height).

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

Product Parts List (standard configuration)

Parts Name	Quantity	Notes
Host machine		
Power supply cable	1	SV/1A
User manual		

Sketch Map

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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.
CVB-S IN   to monitor camera or video matrix
Power 5-12V   Support 5-12V wide voltage input

Installation and Settings

1. Get the product well connected according to "Connection Sketch of Video Converter" on Page 4.
2. Select the source signal and adjust the picture colour 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, Colour saturation and Hue.

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

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

When Saturation is displayed, press + to increase the colour 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; I024×768 @ 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
Colour saturation: 50
Hue: 0

3. Notes for installation and configuration:

Power: please use 5-12V DC power supply, otherwise the product may not work normally or may get burnt.
Input video signal:

Supports S_ video and CVBS, self-adaptive to PAL/NTSC
Signal peak value: 1 Vpp
Resistance: 75Ω

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

R,G ,B signal peak value   : 0.7Vpp resistance: 75Ω
Field synchronizing signal peak value   : 3Vpp resistance: 75Ω
Line synchronizing signal peak value   : 3Vpp resistance: 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.

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Trouble shooting

I. 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

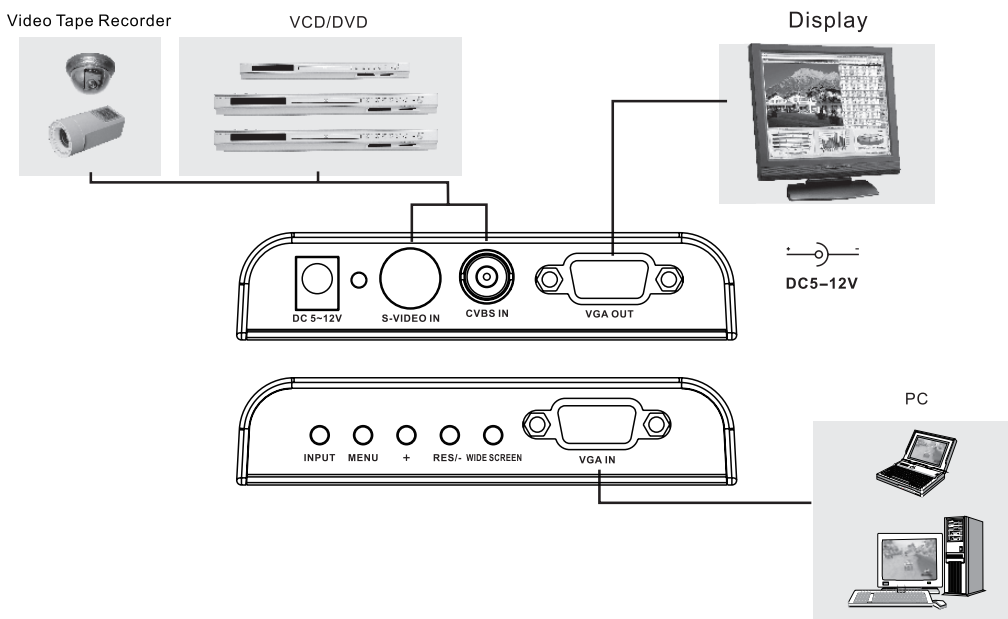Press Input to select video output.

Certificate of Quality

NO DROP
NO DAMP
NO PRESSURE
NO HIGH TEMPERATURE

Connection Sketch of Video Converter

Video Tape Recorder   VCD/DVD   Display

DC 5~12V   S-VIDEO IN   CVBS IN   VGA OUT

DC5~12V

INPUT   MENU   +   RES/-   WIDE SCREEN   VGA IN

PC

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