

Video to PC WXGA Upscaler ID#15014



Operation Manual

Introduction

This is an analog CGA (RGB) or Component (YcbCr) to PC scaler box that can scale to 3 different PC modes of VGA, XGA or WXGA. It enables you to connect your RGB or YcbCr signal source such as game boards or video player to a PC display. Further features such as phase and H/V position adjustment, field invert setting and OSD display allows users with quality image and friendly use on displaying the image.

Features

- Accepts RGB or YCbCr format and converts to PC format
- Scales CGA/Component YCbCr 480i/576i up to VGA/XGA/WXGA PC resolution
- 50/60Hz frame rate conversion ensures glitch-free display
- The input of RGB is auto detected and can be RGBHV, RGB H+V or RGsB(sync. on G)
- Play video games on your PC monitors
- Automatic 3:2/2:2 film mode detection
- High-resolution output picture
- Plug & play-No driver software required and easy to set up for use
- Palm size design for handy carrying

Applications

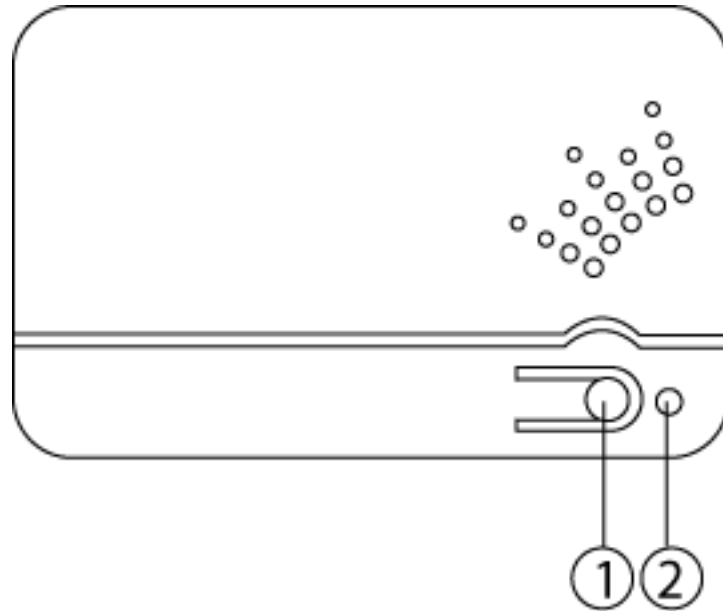
- CGA to PC conversion
- Component(YCbCr) video to PC conversion

System Requirements

Input source equipment such as PC/Video player and output TV/monitor with connection cables

Operation Controls and Functions

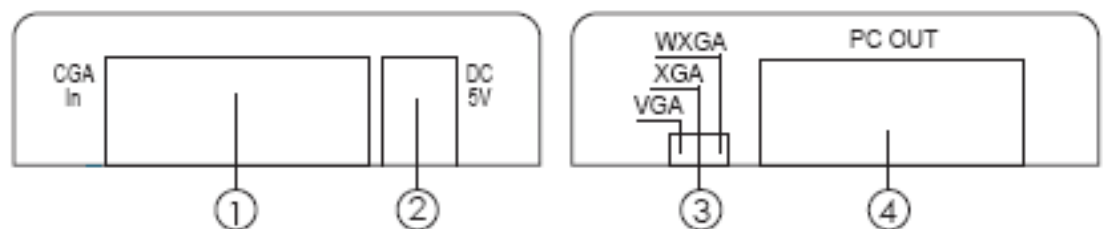
Top Panel



1. Menu Button: Press this button once to bring out the current input & output information and while the information still appears on screen, press it again to select input signal with RGB or YcbCr. To enter the OSD menu, press and hold this button for 3 seconds. Press it repeatedly to cycle through the selections. Leave the OSD menu for a few seconds for the the device to switch the setting

2. LED Indicator : LED indicator shows which input signal is selected.
Green light illuminates when you have selected a YCbCr input signal, whilst red light means you have selected an RGB input signal.

Front and Rear Panel



- 1. CGA In:** Connect the input source equipment such as a PC or video player with a D-Sub 15 pin cable to YPbPr to D-Sub 15 pin cable.
- 2. DC power supply input.**
- 3. PC output switch:** Output resolution selection: VGA 640x480, XGA 1024x768 and WXGA 1366x768, all at 60Hz vertical rate.
- 4. PC Out:** Connect the display TV/Monitor with D-Sub 15 pin cable for image output.

OSD Menu

IN	576i
OUT	WXGA

Phase Adjust
IN Color Space
H Position
V Position
Field Invert
Information
System Reset
Exit

- 1.** The first block of the OSD will display the current input and output timing
- 2. Phase Adjust** has a total of 32 phases ranging from 0-31. press the button repeatedly to adjust the phase setting whenever changing the source equipment. The device will have the last memory on the last phase adjustment.
- 3. In Color Space** for selecting input signal of RGB or YPbPr.
- 4. H Position** has a total of 20 horizontal positions ranging from -10 ~ +10.
- 5. V Position** has a total of 10 vertical positions ranging from -5 ~ +5
- 6. Field Invert** is to adjust the field's even/odd problem, select YES or NO to recover the issue when displaying image appears to be field inverted
- 7. Information** displays the input signal, color space, field invert setting and firmware version.
- 8. System Reset** will bring the device back to the factory default setting.

Specifications

Input Port	1 x D-Sub 15pin female type
Input Signal	Support Analog-Level Signal RGB 0.7Vp-p 75Ω Hsync/Vsync 2Vp-p ~ 5Vp-p 75Ω YCbCr: Y 1Vp-p 75Ω CbCr 0.7Vp-p 75Ω
Input Timing	CGA: Hf=15734Hz, Vf=59.94Hz/Non-interlace 480i: Hf=15734Hz, Vf=59.94Hz/Interlace 576i: Hf=15626Hz, Vf=50Hz/Interlace
Input format selection	RGB / YCbCr
Output Timing	VGA: 640 x 480 @60Hz XGA: 1024 x 768@60Hz WXGA: 1366 x 768@60Hz
Power Supply	5V / 2.6A DC (US/EU Standards, CE/FCC/UL certified)
Dimensions	113mm(W) x 64mm(D) x 26mm(H)
Weight	100g
Chassis Material	Plastic
Silkscreen Color	White
Power Consumption	3.5W
Operating Temperature	0°C ~ 40°C / 32°F ~104°F
Storage Temperature	-20°C ~ 60°C / -40°F ~140°F
Relative Humidity	20 ~ 90% RH (non-condensing)

Connection

