RGBHV to YPbPr color space Converter ID #330

PC/RGBHV INPUT

DC 5V 2A

Operation Manual

CONVERTERS.TV

Introduction

The RGBHV to YPbPr color space Converter is a plug and play RGBHV to YPbPr color space Converter. It enables you to view PC graphic images on a HDTV via YpbPr connection. Since the input signal is not scaled, the signal timing of input and output are the same.

Application

Using RGBHV to YPbPr color space Converter to convert PC RGB signal to YpbPr signal to display on HDTV/PDP/LCD TV.

Features

- Simple to operate, Plug and Play
- Views PC Image on component HDTV.
- Compatible with both interlaced and progressive RGB input.

Specifications

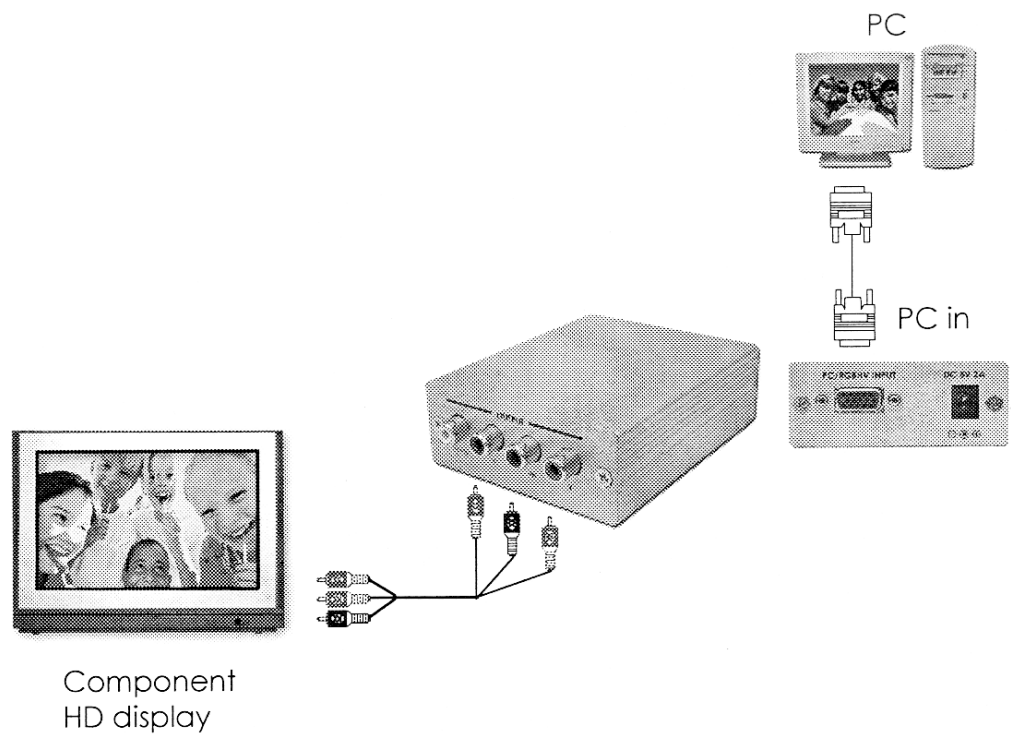|	
Input:	1 x RGBH Input on DB-15 connector RGB: 0.7 Vp-p 75 ohm, terminated at the source. H,V 5Vp-p TTL sync
Outputs:	1 x Component Video (YpbPr----Y with composite sync, H+V composite sync) Y :1 Vp-p @ 75 ohm, terminated Pb/Pr:0.7 Vp-p H + V: 5 Vp-p or

Dimension: (WxHxD} : 76 x 30 x 105mm
Power : 5V 2A Center-positive, 100~240v AC, 50-60Hz

Weight: 180gs

Case Type: Metal

Output clock Frequency is always the same as the input clock frequency

Setup Diagram

PC

PC in

Component
HD display

Note: The H+V composite sync output is an auxiliary and is not used in most installations.

Input – Output Cross Reference

Input RGB / Output YPbPr	VGA	SVGA	XGA	15K RGB fv=60Hz	15K RGB fv=50Hz
480P	●	—			
720P		—	▲		
480i				●	
576i					●

— : No Similar, or matching resolution in YpbPr domain.

▲ : Since the timing of component out does not exactly match a standard HD 720p, some TVs may not be able to show picture.

● : Output acceptable by all TVs.