

RGBHV to YPbPr Color Space Converter

CP-264

Operation Manual



This package includes

- One CP-264 unit.
- One external power supply.
- One user manual.

Introduction

CP-264 is a plug-n-play RGBHV to YPbPr Color Space Converter. It enables you to view PC graphic image 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 CP-264 to convert PC RGB signal to YPbPr signal for display on HDTV/PDP/LCD TV.

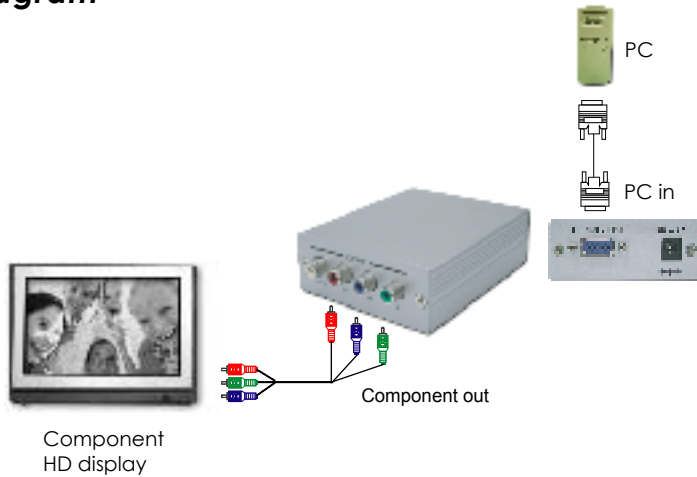
Features

1. Simple to operate, plug and play.
2. To view PC image on component HDTV.
3. Compatible with both interlaced and progressive RGB input.

Specifications

- Input: One (RGBHV) input on DB-15 connector
 - * RGB: 0.7Vp-p, 75 ohms, terminated at the source. H,V 5Vp-p TTL sync.
- Outputs: One component video (YPbPr---Y with composite sync, H+V composite sync) on 4 RCAs
 - * Y: 1 Vp-p @ 75 ohm terminated
 - * PbPr: 0.7 Vp-p
 - * H+V: 5 Vp-p
- Dimensions: 76(W)x30(H)x105(D)mm
- Universal power supply: 5V 2A center+, 100~240V AC, 50~60Hz
- Weight: 180gs
- Enclosure type: Metal
- Output clock frequency is always the SAME as the input clock frequency.

Setup Diagram



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

Input-Output Cross reference

| Input RGB \ Output YPbPr | VGA | SVGA | XGA | 15K RGB | |
|--------------------------|-----|------|-----|---------|---------|
| | | | | fv=60Hz | 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.