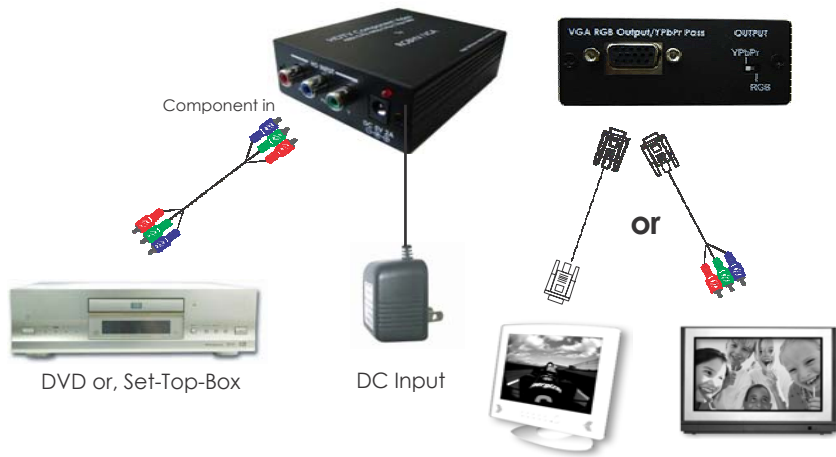


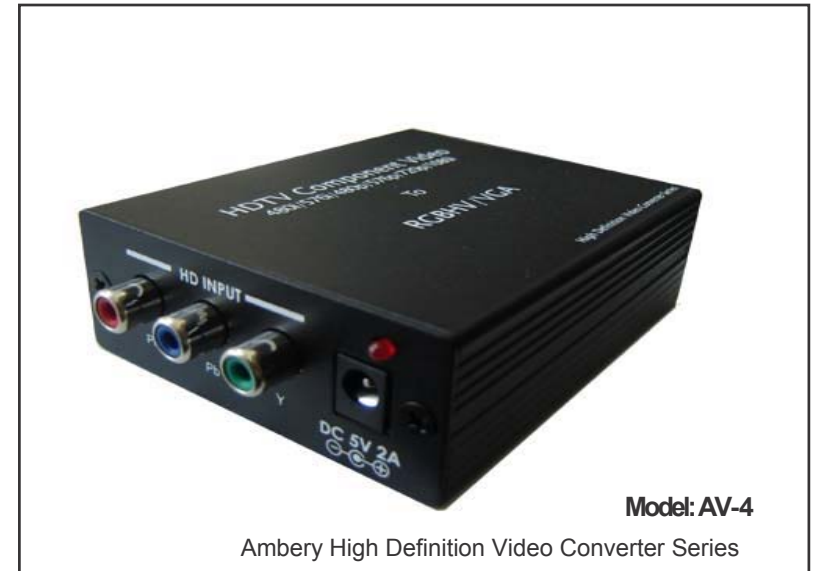
Connection and Installation



Component Video To VGA/RGBHV Transcoder

Operation Manual

Corporate web site: <http://www.ambery.com>
Customer service: support@ambery.com



Introduction

AV-4 model is a HD Component Video (YPbPr/YCbCr) to VGA & RGBHV color space converter. It allows you to view high definition video contents from component video sources like DVD players, video game consoles or HDTV set top boxes on PC monitors, projectors or HDTV displays via the standard HD 15-pin VGA connector or the 5 R/G/B/H/V ports using the optional breakout cable.

This package includes:

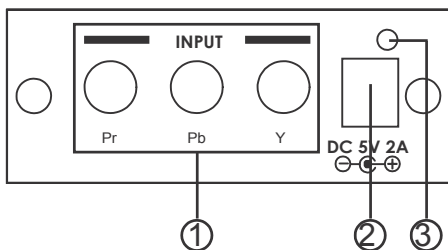
- One AV-4 unit
- One external power supply
- One user manual

Features:

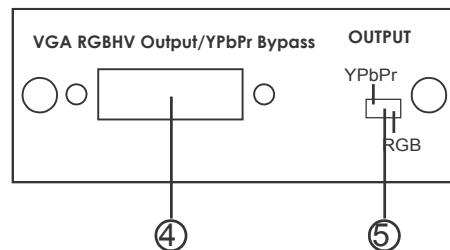
1. Simple to operate, plug and play.
2. Supports all component interlaced and progressive formats.
3. Output is RGBHV on HD-15 connector.

Operation Controls and Functions

Front Panel



Rear Panel



1. YPbPr Component Video Input: Connection with any HDTV source using component video cable
2. AC/DC Power connector: Plug the 5VDC power supply tip into AV-4 and household AC wall outlet.
3. Power indicator LED.
4. D-sub 15-pin output connector: Connect to any VGA display with VGA cable or use the optional VGA to 5 BNC/RCA breakout cable for RGBHV output to any video monitor or HDTV set.
5. Output mode switch: Output format selection between component video loop-through and VGA RGB output.

Specifications:

- * The output signal timing is exactly the same as input signal timing, no pixel re-scaling occurred.
- * Input: YPbPr/YCbCr on 3 RCA connectors.
- * Output: RGBHV on HD-15 connector.
- * Input resolutions:
 - 480i, 576i, 480p, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz
- * Output:
 - PC RGB for HD progressive input, or 15K video RGB for SD interlaced input.
- * Most PC monitors accept multi-sync input therefore can lock onto the signal timing of the AV-4's RGB output and show pictures.
- * Dimensions: 76.6(W) x 103(D) x 30(H)mm
- * Power: 5V 1A /Center +

Input - Output Cross reference

Input YPbPr	Output RGB			31K PC		15K RGB/YCbCr	
	VGA	SVGA	XGA	fv=60Hz	fv=50Hz		
480P	●	—					
576p		▲					
720P		—	▲				
480i						●	
576i							●
1080i (540p)		▲					

—: No, similar, or matching resolution in RGB domain.

▲: Since the timing of RGB output does not exactly match a standard PC SVGA some PC monitors may not be able to show pictures.

●: Output is acceptable by all monitors.