

# Component to DVI-I Format Converter

## Converge A/V Component to DVI-I Format Converter

CPNT2DVI

Instruction Manual



Actual product may vary from photo

**CONVERGEAV**

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## **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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## Table of Contents

<b>Introduction</b> .....	<b>1</b>
Features .....	1
<b>Before You Begin</b> .....	<b>1</b>
System Requirements .....	1
Package Contents .....	1
<b>Installation</b> .....	<b>2</b>
Operating Controls and Functions .....	2
DVI-I Pin Configuration .....	2
Connection to A/V Components and Display .....	3
<b>Specifications</b> .....	<b>3</b>
<b>Technical Support</b> .....	<b>4</b>
<b>Warranty Information</b> .....	<b>4</b>

## **Introduction**

Thank for purchasing a StarTech.com Converge A/V Component to DVI-I Format Converter, allowing you to convert an analog YPbPr signal to digital DVI for use with DVI capable displays, eliminating the expense of having to upgrade individual video components for the sake of compatibility with newer display interfaces.

### **Features**

- Output format is selectable between RGB and YPbPr
- Supports up to 1600x1200 for PC input and 1920x1080p for HD input
- Requires no drivers or software
- Resolution input is automatically detected
- Supports DDWG standard for DVI compliant monitors

## **Before You Begin**

### **System Requirements**

- A component video signal source
- A DVI capable display

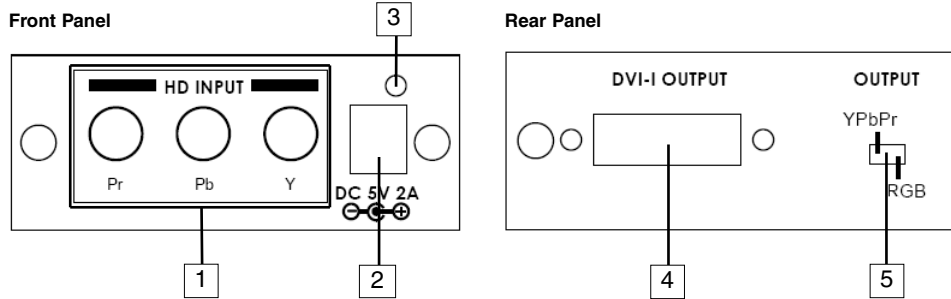
### **Package Contents**

*This package should contain:*

- 1 x Instruction Manual
- 1 x Component to DVI-I Converter
- 1 x Power Adapter

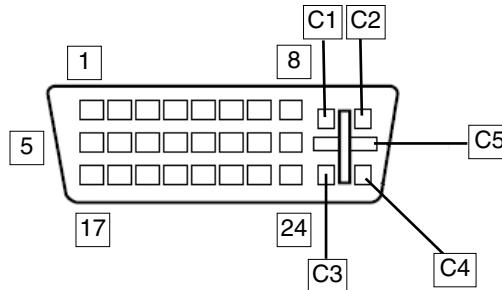
## Installation

### Operating Controls and Functions



- 1 Analog YPbPr input connector
- 2 DC power supply 5V 500mA~2A center-positive
- 3 LED indicator
- 4 DVI-I output connector
- 5 Output (selection) Switch

### DVI-I Pin Configuration



Combined Analog and Digital Connector Pin Assignments					
Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S Data2-	9	T.M.D.S Data1-	17	T.M.D.S Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2/4 Shield	11	T.M.D.S. Data1/3 Shield	19	T.M.D.S. Data0/5 Shield
4	T.M.D.S. Data4-	12	T.M.D.S. Data3-	20	T.M.D.S. Data5-
5	T.M.D.S. Data4+	13	T.M.D.S. Data3+	21	T.M.D.S. Data5+
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (Return for +5V, Hsync, and Vsync)	23	T.M.D.S. Clock+
8	Analog Vertical Sync	16	Hot Plug Detect	24	T.M.D.S. Clock-
C1	Analog Red	C2	Analog Green	C3	Analog Blue
C4	Analog Horizontal Sync	C5	Analog Ground(Analog R,G,&B return)		

## Instruction Manual

### Connection to A/V components and display



### Specifications

<b>Input Connector</b>	Analog YPbPr on 3 RCA connectors
<b>Output Connector</b>	DVI-I
<b>Input signal</b>	<b>Y</b> : 1 Vp-p 75 ohm, <b>Pb/Pr</b> : 0.7 Vp-p, 75 ohm
<b>Output signal</b>	Digital RGB or YPbPr data bitstream
<b>Operation frequency</b>	up to 165MHz
<b>Input/ Output resolution</b>	<p><b>PC</b>: VGA@60, VGA@72, VGA@75, VGA@85            SVGA@60, SVGA@72, SVGA@75, SVGA@85            XGA@60, XGA@70, XGA@75, XGA@85            SXGA@60, SXGA@75, SXGA@85, UXGA@60            1152@70, 1152@75, 1152@85</p> <p><b>HD/RGB</b>: 480i@60, 576i@50, 480p@60, 576p@50,            720p@60, 780i@60, 1080i@50, 1080p@60,            1080p@50, 1080p@30, 1080p@25, 1080p@24</p>
<b>Dimension (WxHxD)</b>	76 x 30 x 105mm
<b>Power</b>	5V 500mA~2A Center-positive
<b>Regulatory Certifications</b>	FCC, CE, ROHS

## **Technical Support**

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## **Warranty Information**

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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