

DVI-D to PAL NTSC Composite Video Scan Converter - ID# 15343



Operation Manual

Introduction

The DVI to Video Scan Converter is designed to convert the digital video signal from DVI-D sources to analog composite (CVBS) signal (NTSC or PAL). It is HDMI and DVI compliant and has many great features such like 3D noise reduction, frame rate conversion, adaptive contrast enhancement and many more. It also has a simple on-screen display (OSD) menu that allows the user to access the display status including input/output information

Features

- DVI 1.0 compliant
- Converts video signal from DVI-D source to NTSC/PAL composite (CVBS) signal
- Accepts a wide range of input resolutions of 480p to 1080p@60 Hz (DVI-D) and VGA to WUXGA@60 Hz (PC)
- 3D noise reduction in both the temporal and spatial domain
- Frame rate conversion
- Adaptive contrast enhancement
- OSD Display
- Overscan and underscan adjustment
- Phase and Aspect adjustment
- No software installation required
- Compact and elegant design

Note: The converter does NOT support HDCP. If any HDCP-encrypted content is played, there will no any video output.

Applications

- Convert DVI-D signal to Composite (CVBS) signal
- Display graphics card signal on CRT monitor
- Display PC signal to LCD display

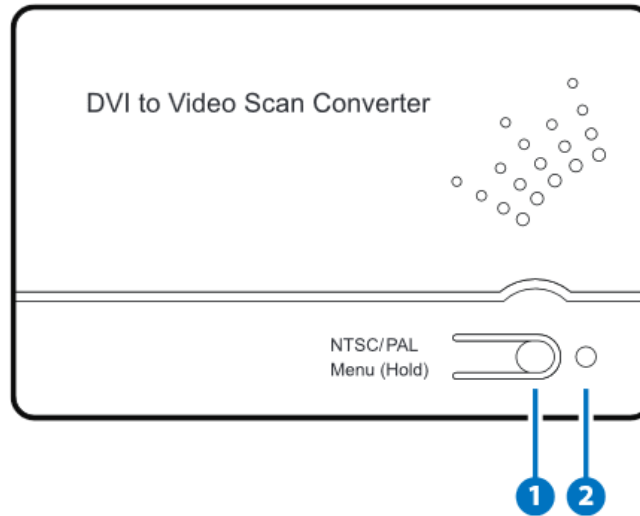
System Requirements

Input source equipment such as a PC/Notebook with DVI cable and output display (TV) with CVBS input port and cable



Operation Controls and Functions

Top Panel



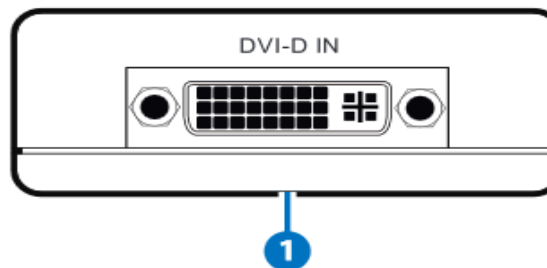
1. NTSC/PAL MENU (Hold): Press this button to bring up the On-Screen Display (OSD) which will display the input timing and the output TV format information.

When the OSD is displayed, press the button again to switch the output TV system from NTSC to PAL or from PAL to NTSC.

Press and hold this button for 3 seconds the OSD will bring up the selection menu. Press it sequentially to select the required setting.

2. POWER LED: This LED will illuminate in RED when the unit is connected to the power supply.

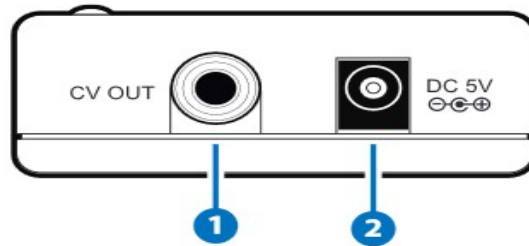
Front Panel



1. DVI-D IN:

Connect to the DVI equipped source equipment such as a PC or notebook for DVI input signal with a DVI cable

Back Panel



1. CV OUT:

Connect to the output display TV or monitor with RCA cable for display of the converted composite (CVBS) signal.

2. DV5V:

Plug the 5V DC power supply included in the package into the unit and connect the adaptor to an AC wall outlet

OSD Menu

Press the Menu button once to bring up the OSD and display the input (IN) and Output (OUT) information.

IN	1280×960 @60 (Input Timing)
OUT	NTSC (Output TV System)

Press and hold the MENU button for 3 seconds to bring up the OSD then press it repeatedly to move the OSD cursor to the desired selection. Once the selection is made, if the MENU button is not pressed for a few seconds, the OSD will disappear and the display will output following the selected parameters

NTSC	
PAL	
Underscan 1	
Underscan 2	
Overscan	
Aspect Adj	Full Screen
	Letterbox
	Pan and Scan
	Auto TV 4:3
	Auto TV 16:9

Below is the example of the scan selection result.

Source	TV	Underscan1	Underscan2	Overscan

Aspect Adjustment:

There are total of 5 different aspect ratio adjustments: Full Screen, Letterbox, Pan & Scan and Auto TV 4:3 & Auto TV 16:9.

Full Screen:

To allow the image to fill the screen of the TV.

Letterbox:

To fit a 16:9 formatted video signal on a 4:3 display.

Horizontal Black bars will be displayed above and below the image

Pan & Scan:

To fit a 4:3 formatted video signal on a 16:9 display.

Vertical black bars will be displayed at both sides of the the image.

Auto TV 4:3:

The device will detect the input source aspect ratio of 4:3 or 16:9 and make the automatically make the adjustment to 4:3.

Auto TV 16:9:

The device will detect the input source aspect ratio of 16:9 or 4:3 and automatically make the adjustment to 16:9.

Blow is the sample chart of the selection result:

Source TV	Aspect Adjust	Full Screen	Letterbox	Pan&Scan	Auto TV 4:3	Auto TV 16:9
	4:3		✗	✗		✗
	16:9		✗		✗	
	4:3			✗		✗
	16:9		✗	✗	✗	

Supported Input Timing

HD Timing	480p	60
	576p	50
	720p	50/60
	1080i	50/60
	1080p	50/60
PC Timing	640x480	60/72/75/85
	720x400	70
	800x600	56/60/72/75/85
	1024x768	60/70/75/85
	1152x864	70/75/85
	1280x720	60
	1280x768	60/60 (RB)
	1280x800	60/60 (RB)
	1280x960	60
	1280x1024	60
	1366x768	60/60 (RB)
	1400x1050	60/60 (RB)
	1440x900	60/60 (RB)
	1600x1200	60
	1680x1050	60/60 (RB)
	1920x1200	60 (RB)

Note: If the input resolution is not supported, the OSD will show 'IN Not Support

Specifications

Input Port	1×DVI-D
Output Ports	1×CVBS
Output Video	NTSC/PAL
ESD Protection	Human body model: ±8kV (air-gap discharge) ±6kV (contact discharge)
Power Supply	5V DC/1A linear power adaptor (US/EU standards, CE/FCC/UL certified)
Dimensions	64 mm (W)×104 mm (D)×26 mm (H)
Weight	120 g
Chassis Material	Plastic
Silkscreen Color	White
Operating Temperature	0 °C~40 °C/32 °F~104 °F
Storage Temperature	-20 °C~60 °C/-4 °F~140 °F
Power Consumption	3 W
Relative Humidity	20~90% RH (non-condensing)

Connection Diagram

