

Video System Converter

Operation Manual



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1. Introduction

The Video System Converter is designed to convert video signal of different TV systems to NTSC or PAL signal selectable, for the connected display to work properly. It is a convenient device for users to connect source and display of different TV systems, with the on-panel H.POS. adjusters which is easy to fine-tune screen offset caused by display of different type. The installation is simple, just plug in video cables of input / output and power adapter, then switch between NTSC and PAL to get the preferable result.

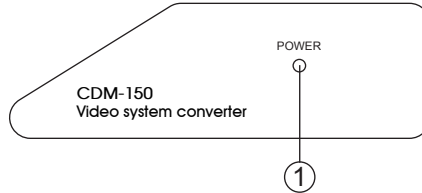
2. Main Features

- Supports digital conversion from NTSC, N4, PAL, PAL M, PAL N, and SECAM to NTSC/PAL.
- Converts 525 lines to/from 625 lines.
- Converts refresh frequency between 60Hz and 50Hz.
- Provides color bar pattern when there is no signal present.
- System is capable with 8 Mb field memory.

3. Hardware Description

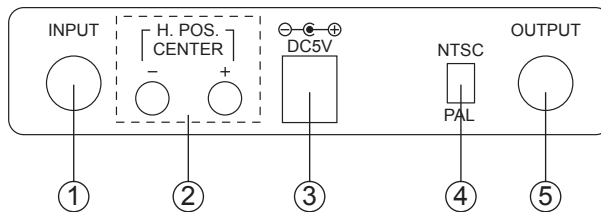
The following sections describe the hardware components of this converter box.

3.1. Front Panel



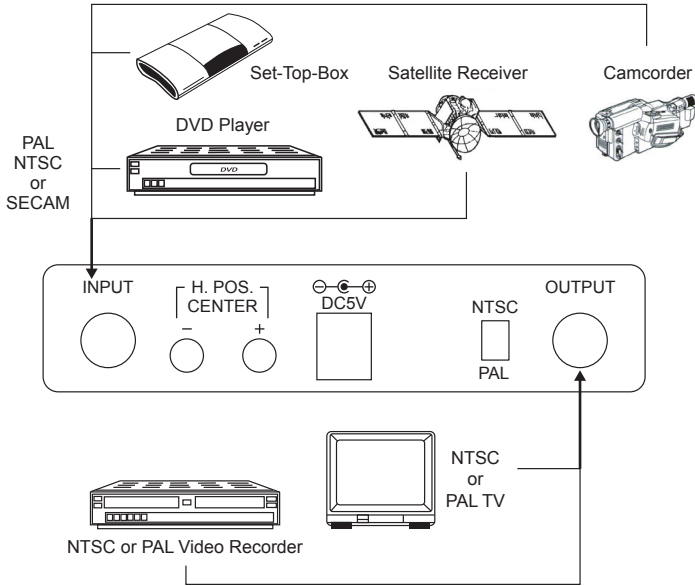
1. The LED indicator will illuminate when the unit is powered on.

3.2. Rear Panel



1. Video input: Connect to video source using video composite cable.
2. H. POS. Center: To adjust the display to right/left.
3. DC 5V/1A: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.
4. NTSC/PAL: Select the output signal. NTSC supports 3.58 format only.
5. Video output: Connect to display using video composite cable.

4. Connections and Installation



5. Specifications

Input Systems	NTSC, N4, PAL, PAL-M, PAL-N, SECAM
Output Systems	NTSC 3.58, PAL
Input Port	Video
Output Port	Video
Sampling Frequency	Y: 13.5MHz R-Y: 6.75MHz B-Y: 6.75MHz
Digital Code Bit	R: 8 bits G: 8 bits B: 8 bits
Line	525/625
Field	60/50
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified), Center positive
Dimensions(mm)	146(W) x 95(D) x 33(H)
Weight(g)	144
Chassis Material	Plastic
Silkscreen Color	Milk White
Operating Temperature	0°C ~ 40°C



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