

Video System Converter

Operation Manual



TABLE OF CONTENTS

1. Introduction.....	1
2. Main Features.....	1
3. Hardware Description.....	2
3.1 Front Panel.....	2
3.2 Rear Panel.....	2
4. Connections and Installation.....	3
5. Specifications.....	3

1. Introduction

The Video System Converter is designed to convert video signal from source of NTSC, N4 PAL, PAL M, PAL N and SECAM systems (automatically detected), 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.

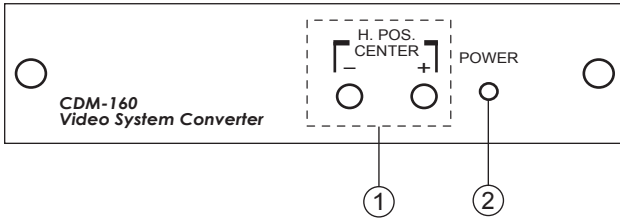
2. Main Features

- 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

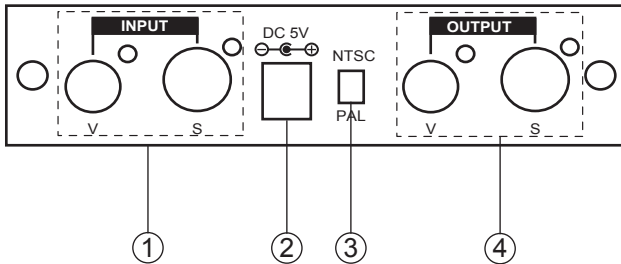
The following sections describe the hardware components of this converter box.

3.1. Front Panel



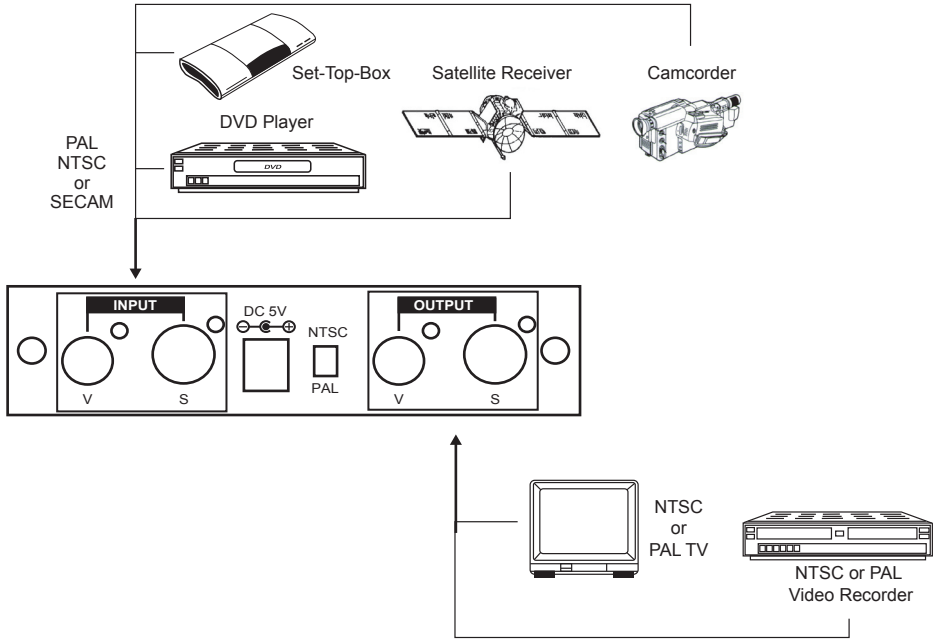
1. H. POS. Center: To adjust the display to right/left.
2. Power LED: The LED indicator will illuminate when the unit is powered on.

3.2. Rear Panel



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

4. Connections and Installation



5. Specifications

Input Systems	NTSC, N4, PAL, PAL M, PAL N and SECAM
Output Systems	NTSC 3.58, PAL
Input Port	Video/S-Video
Output Port	Video/S-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)	125 (w) x 110 (D) x 30 (H)
Weight (g)	350
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	0°C~40°C



CYPRESS TECHNOLOGY CO., LTD.
Home page: <http://www.cypress.com.tw>