

Digital Multisystem Converter / Converter

CDM-640 NTSC / PAL / VGA



Introducing the [NTSC to PAL to VGA Multisystem Converter / Converter \(CDM-640\)](#). This unit offers premium conversion quality suitable for professional use. It is capable of accepting S-Video, Video(AV) and VGA inputs, while also offering the same output capabilities. This multisystem converter will convert any NTSC or PAL signal input and will output either in PAL or NTSC depending on the conversion. The NTSC to PAL to VGA Multisystem Converter / Converter (CDM-640) also allows the conversion from VGA input to S-Video or Video(AV) outputs and vice versa. With this, it is possible to view a PC display on a TV, or to view TV displays on a PC monitor. This unit will convert NTSC/Pal or VGA signal into NTSC/Pal or VGA. Offers premium conversion quality. This converter has auto signal detection & 8-bit Broadcast Quality Color Decoding. It also can receive the Secam signal as at input.

Features:

- Converts any video system to any other video systems and PC display system.
- When converting PAL(50hz) to PC mode, its frame rate is converted to 60 Hz, to ensure vertical frequency is compatible with some 60 Hz-only LCD-display monitor.
- Input video System auto detected
- Digital conversion from input TV signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM to output signals of NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, PC (640x480) 60Hz, (800x600) 60Hz, (1024x768) 60Hz.
- 8-bit Broadcast Quality Color Decoding.
- Easy touch button for input and output system selection and picture adjustment.
- Digital comb filter for input system decoding.
- Built-in Time Base Correction (T.B.C.) function for signal synchronization.
- Built-in Automatic Gain Control (A.G.C.) function ensures 1 Vp-p output signal (Input level can range from 0.5Vp-p to 2Vp-p).
- Full digital decoding and encoding; highly integrated digital processing reduces the board size and ensures reliable quality.
- A color-bar pattern will automatically appear on the TV screen when there is no video signal present on the input.
- TBC is active constantly, even in the bypass mode.
- Adjustable control on contrast, brightness, color, tint and Horizontal/Vertical phase.
- Innovative image processing circuitry ensures outstanding color, motion and picture detail.

Specifications:

- Input Systems: NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N, SECAM
- Output Systems: NTSC 3.58, NTSC 4.43, PAL, PAL M, PAL N
- VGA Output System: (640 x 480)60Hz, (1024 x 768)60Hz
- Connection Terminals: 1 Video Output, 1 S-Video Input, 1 VGA Input (for PC By-Pass), 1 Video Output, 1 S-Video Output, and 1 VGA Output
- Sampling Frequency: Y = 13.5MHz, R-Y = 6.75MHz, B-Y = 6.75MHz
- Digital Cord bit: Y = 8 bits, R-Y = 8bits, B-Y = 8bits
- Power: DC 15V 450~600mA