

**CDM-830TR** Standards Converter provides professional quality conversion, at a remarkably affordable price, between numerous worldwide NTSC, PAL and SECAM broadcast television standards. The integral Time Base Corrector with full Synchronization allows the unit to be genlocked to a Composite Video source. The TBC is active even in the Bypass Mode. High performance is achieved by using Digital Conversion and Digital Comb Filtering in the decoding process. An automatic gain circuit insures that the proper video output level of 1V p-p is maintained, even when the input signal varies between 0.5V and 2.0V p-p. Processing controls are provided for Brightness, Contrast, Color Saturation, Hue (NTSC), Horizontal and Vertical Phase. The unit is housed in a 19" rackmount case.



**CDM-830TR**



**CDM-830TR Connections**

**CDM-830T** is a desktop version that has all the same functions and features, with the exception that it has RCA Connectors for the Composite and YUV Video Inputs and Video Outputs instead of the BNC type Connectors on the rackmount version.



**CDM-830T**



**CDM-830T Connections**

**CDM-630** Standards Converter provides the same high quality conversion as the CDM-830T, but without many of the features. This compact unit is housed in a very small, palm-size package. Convert between numerous worldwide NTSC, PAL and SECAM broadcast television standards. The integral Time Base Corrector stabilizes the incoming video. High performance is achieved by using digital conversion in the encoding and decoding process. An automatic gain circuit insures that the proper video output level of 1V p-p is maintained, even when the input signal varies between 0.5V and 2.0V p-p. When an application requires professional quality and extreme portability, the CDM-640 is the solution.



**CDM-630**



**CDM-630 Connections**

### Key Features of the CDM-830T and CDM-630

- Automatic Detection of NTSC, PAL, SECAM
- Bi-directional Digital Conversion
- Built-in Time Base Corrector
- Video Adjustments (CDM-830 Models Only)
- Digital Comb Filter Decoding
- Full Digital Decoding/Encoding
- Field Conversion and Line Conversion

### Inputs and Outputs

Model	Composite Video		S-Video		YUV Video	Stereo Audio
	Input	Output	Input	Output	Output	In/Out Pass-thru
<b>CDM-830TR</b>	2x via BNC	1x via BNC	2x via 4-Pin	1x via 4-Pin	1x via 3-BNC	2x via 2 RCA
<b>CDM-830T</b>	2x via RCA	1x via RCA	2x via 4-Pin	1x via 4-Pin	1x via 3-RCA	2x via 2 RCA
<b>CDM-630</b>	1x via RCA	1x via RCA	None	None	None	None



## Standards Converters

Models CDM-830T, CDM-830TR, CDM-630

### Specifications

#### General

Television Standards	NTSC 3.58, NTSC 4.43, PAL-B/G PAL-M, PAL-N and SECAM
Standards Detection	Automatic or Manual
Impedance	75Ω
Genlock Loop-thru	BNC with 75Ω Termination Switch
Conversion Process	Bi-directional, Digital
Sampling Frequency	Y=13.5MHz, R-Y & B-Y=6.75MHz
Digital Sampling	Y=8 bits, R-Y=8 bits, B-Y=8 bits
Field Conversion	60Hz to 50Hz, 50Hz to 60Hz
Line Conversion	525 to 625, 625 to 525
Video Adjustments	Contrast, Brightness, Hue, Color Saturation, H&V Position (Note 1)

#### Environmental

Operating Temperature	+32° to +110° F (0° to +43° C)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	40° to +150° F (-40° to +65° C)
Storage Humidity	10% to 85%, Non-condensing

#### Regulatory Approvals

Standards Converters	FCC, CE
Power Supply	UL, CE, CSA

#### Warranty

Limited Warranty	2 Years Parts and Labor
------------------	-------------------------

#### Mechanical

Size (H-W-D)	1.75"x19"x9.5" (44x482x242mm)
Weight (Net)	4.4 lbs (2.0 kg)

Size (H-W-D)	2.2"x11.8"x9.5" (55x300x242mm)
Weight (Net)	4.4 lbs (2.0 kg)

Size (H-W-D)	1.3"x5.7"x3.7" (34x145x95mm)
Weight (Net)	2.2 lbs (1.0 kg)

#### Power Requirement

External PS 15VDC, 500mA, Center Pin +

#### Accessories Included

1x Operations Manual  
1x C-Video Cable

CDM-830T/TR: 6' BNC to BNC  
CDM-630: 6' RCA to RCA  
115VAC to 15VDC @ 500mA

1x AC Power Adapter

#### Product Item Numbers

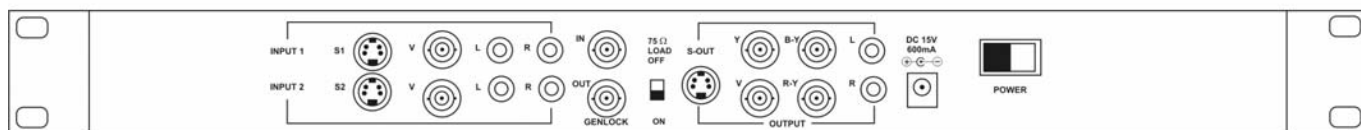
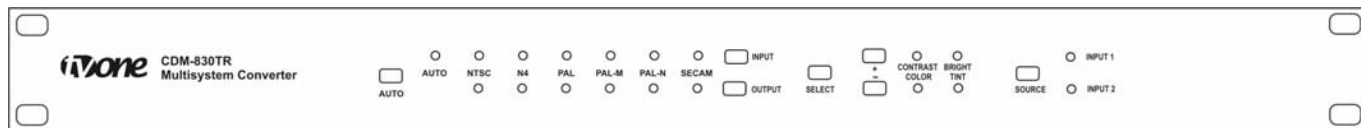
CDM-830TR 19" Rackmount Version  
CDM-830T Desktop Version  
CDM-630 Palm-size Version

#### Notes

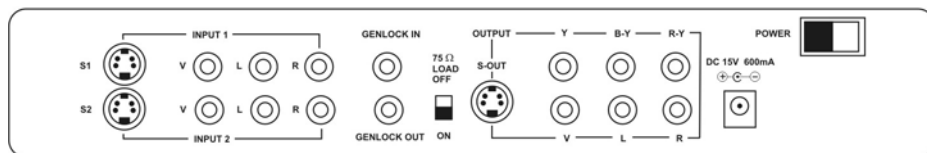
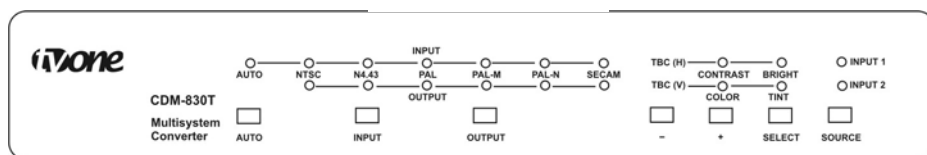
(1) Video Adjustments available on CDM-830 Models Only.

### Panel Drawings

#### CDM-830TR



#### CDM-830T



#### CDM-630

