Technical Specifications DTC 1600P, DTC 1600M

Input

Television Standards	PAL, PAL-M, PAL-N, SECAM, NTSC, NTSC 4.43
Black Reference Level Setup	0% and 7.5% for NTSC Standard
TV Standard Identification	Automatic/Manual
Video Input Format Selection	Manual
Composite Video Input	1 Vp-p/ 75 ohm BNC looping input
Component Video Y/C Input	4-pin connector female, S-VHS, HI-8, BETACAM SP

Output

Television Standards	PAL, PAL-M, PAL-N, SECAM, NTSC, NTSC 4.43
Black Reference Level Setup	0% and 7.5% for NTSC Standard
Composite Video Output 1	1 Vp-p/ 75 ohm BNC
Composite Video Output 2	1 Vp-p/ 75 ohm BNC
Component Video Y/C Output	4-pin connector female, S-VHS, HI-8, BETACAM SP

Signal Processing

Time Base Correction	Full frame
Signal Filter	Digital comb-filter/ notch filter
Luminance Bandwidth	5.5 MHz
SECAM Identification Input	Horizontal
SECAM Identification Output	Horizontal, Horizontal + Vertical
Chrominance Modulation	PAL : R-Y/B-Y Axis, NTSC : I/Q Axis
Sync Reference	Internal
Luminance Sampling Frequency	13.5 MHz
Chrominance Sampling Frequency	R-Y/B-Y, 6.75 MHz each
Conversion Aperture	Digital - 4-Field, 4-Line interpolation, motion adaptive
Quantizing Scheme L/C	8 bit, CCIR 601 4:2:2 luminance and chrominance
Differential Gain	2%
Differential Phase	2 °
Signal To Noise	60 dB CCIR weighted, flatfield
Average Delay Time (ms)	PAL/PAL = 22, NTSC/NTSC = 18 PAL/NTSC = 42, NTSC/PAL = 35

Power

AC Voltage
100 VAC to 240VAC, -10%/+6%

AC Line Frequency
50/60 Hz

Power Consumption
60 VA

Mechanical

Dimensions

Height (H) 44.45 mm

Width (W) 444.50 mm

Depth (D) 283.00 mm

1U 19” rack mounting

U = height-units (1U = 44.45mm)

Weight

5 pounds approximate

Ordering Information

DTC 1600P	Standard
DTC 1600M	Black Front Panel

The DTC 1600P is a bi-directional high performance multi-standard converter with a wide range of control features. A four field/four line aperture and 5.5 MHz bandwidth allows high quality conversion. To filter the composite video signal you have the choice between a notch-filter or a sophisticated digital comb-filter, which maintains the full bandwidth. An attractive front panel design makes the operation simple.

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