

## Technical Specifications DTC 1600 Quattro



### Input

Television Standards .....	PAL, PAL-M, PAL-N, SECAM, NTSC, NTSC 4.43
TV Standard Identification .....	Automatic/Manual
Video Input Format Selection.....	Manual
Black Reference Level Setup.....	0% and 7.5% for NTSC Standard
Composite Video Input .....	1 Vp-p/ 75 ohm BNC looping input
Y/C Input .....	4-pin connector female, S-VHS, HI-8, BETACAM SP
Y/U/V Input.....	75 ohm BNC, Y+S is required for synchronization
Digital Component Video Serial.....	D1 75 ohm BNC, CCIR 601, 270 Mb/s (option)
Digital Input Processing.....	Reclocking and automatic cable equalization
Genlock .....	1Vp-p/75 ohm BNC, black-burst signal required

### 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
Composite Video Output 2.....	1 Vp-p/ 75 ohm
Y/C Output.....	4-pin connector female, S-VHS, HI-8, BETACAM SP
Y+S/U/V Output.....	75 ohm BNC
Digital Component Video Serial.....	D1 75 ohm BNC, CCIR 601, 270 Mb/s (option)
Digital Serial Driver Performance.....	250 mtrs, provided a high quality coax cable is used e.g. Belden 8281

### Signal Processing

Time Base Correction.....	Full Frame
Signal Filter .....	Comb-filter digital adaptive/ notch filter
Luminance Bandwidth .....	5.5 MHz
Digital Enhancement.....	Horizontal and vertical
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/External
Luminance Sampling Frequency.....	13.5 MHz
Chrominance Sampling Frequency.....	R-Y/B-Y, 6.75 MHz each
Noise Reduction .....	Digital adaptive, up to 20dB
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 .....	PAL/PAL = 22, NTSC/NTSC = 18
in milli-seconds	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

### Remote Control

RS-232 Interface

### Mechanical

#### Dimensions

Height (H) 44.45 mm  
Width (W) 444.50 mm  
Depth (D) 300.00 mm

1U 19" rack mounting  
U = height-units (1U = 44.45mm)

#### Weight

7 pounds approximate

## Ordering Information

### DTC 1600QUATTRO

#### Options

- Analog two channel audio delay interface
- Digital two channel audio delay interface
- D1 CCIR 601 digital component video input/output