



TECHNICAL DATA SHEET

CANFORD VIDEO DISTRIBUTION AMPLIFIER

90-541 CANFORD VIDEO DISTRIBUTION AMPLIFIER

Housed in an extruded box with protective nylon bezels, the unit accepts a standard 1V peak to peak video signal on a BNC connector; terminated in 75Ω. A parallel unbuffered input connector is provided, which can be used for looping through to another piece of unterminated equipment.

The amplifier provides 5 outputs on front panel BNC connectors. A single 16 position switch allows control of the gain and equalisation applied to the signal: each step provides correction for approximately 25m of standard VCS (PSF1/3) type cable, with a maximum correction capacity of approximately 375m.

This method of equalisation control enables approximate setting without reference to a waveform monitor. Simply measure the length of unequalised cable, divide by 25 and dial up the result on the switch. A setting of zero gives unity gain and a flat response.

An on/off switch is provided on the front panel and a green power LED flashes to indicate low supply voltage. Power is derived from an internal 9V alkaline battery, or an external power supply can be plugged into the rear connector.

TECHNICAL SPECIFICATION

Bandwidth:	> 20MHz
Differential Gain:	< 0.6%
Differential Phase:	< 0.6°
Bounce:	< 0.02%
Noise:	- 70dB
Gain: Minimum:	0dB gain, flat response
Maximum:	Equates to loss in approximately 375m of PSF1/3 cable
Input Connector:	BNC terminated in 75Ω
Power:	9V alkaline battery, (PP3, MNI 604, 6LF22, 4022 or equivalent) Life approximately 8 hours External 6-12VDC 40-60mA supply on 2.1mm jack (Centre pin Positive).
Size:	94 × 51 × 123mm.
Weight:	360g including battery.