



## Technical Data Sheet

### CANFORD VIDEO DISTRIBUTION AMPLIFIER

**90-541** CANFORD VIDEO DISTRIBUTION AMPLIFIER Video, CVBS, 1x5, PP3 or external DC powered

#### DESCRIPTION

Housed in an extruded box with protective nylon bezels, the unit accepts a standard 1V peak to peak video signal on a 75Ω terminated BNC female connector. 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

<b>Bandwidth:</b>	> 20MHz
<b>Differential Gain:</b>	< 0.6%
<b>Differential Phase:</b>	< 0.6°
<b>Bounce:</b>	< 0.02%
<b>Noise:</b>	- 70dB
<b>Gain: Minimum:</b>	0dB gain, flat response
	Maximum:
<b>Input Connector:</b>	BNC terminated in 75Ω
<b>Power:</b>	9V alkaline battery, (PP3, MN1604, 6LF22, 4022 or equivalent)
	Life approximately 8 hours
	External 6-12VDC 40-60mA supply on 2.1mm jack (Centre pin Positive)
<b>Size:</b>	94 × 51 × 123mm.
<b>Weight:</b>	360g including battery