

# VIDEO DISTRIBUTION AMPLIFIER

TYPE BH31/5/DC

DATA SHEET

- 16 Channels
- 5 outputs per channel
- 12V dc operation
- For use with coaxial cables
- Rack mounted or free standing



## Application

When installing CCTV equipment it is sometimes required to send the signal from a camera to more than one monitor or other items of receiving equipment at the same time. This can be achieved using a Distribution Amplifier.

The BH31/5/DC unit has 16 channels and each channel has 5 outputs. Each channel is individually adjustable for overall Gain and High Frequency Lift so that the installer can obtain the correct signal levels. All inputs and outputs are 75 ohm BNC type connectors for coaxial cables.

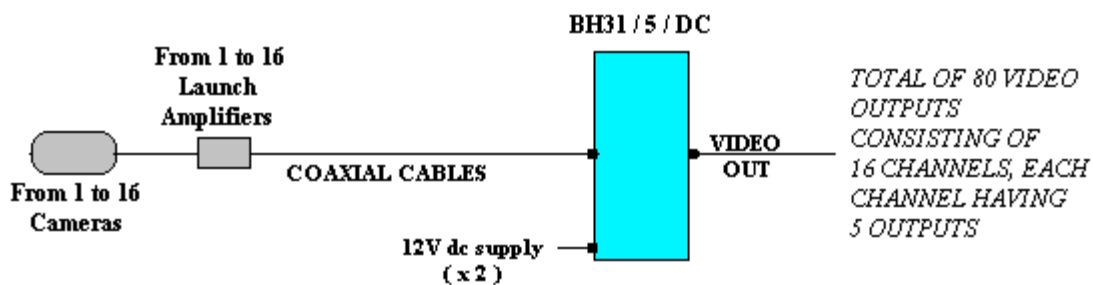
The unit comes complete with all necessary circuit boards and power supplies.

**Addlestone Electronics Ltd.**  
DESIGNED AND MANUFACTURED IN UK

# TECHNICAL DATA

## BH31/5/DC

INPUT SIGNAL REQUIREMENTS	Composite video using colour / monochrome video signals or other wide band signals within a frequency bandwidth of 30Hz to 5MHz.
INPUT SIGNAL AMPLITUDE	Nominal 1 volt peak to peak – internally terminated in 75 ohms.
OUTPUT SIGNAL AMPLITUDE	Nominal 1 volt peak to Peak - when terminated in 75ohms.
AT UNITY GAIN	Differential Phase < 3 degrees / Differential Gain < 3%.
INPUT-OUTPUT CONNECTIONS	75 ohm BNC connectors for coax cable.
NUMBER OF CHANNELS	Maximum of 16 ( any number between 2 and 16 can be supplied ).
NUMBER OF OUTPUTS PER CHANNEL	Five.
HIGH FREQUENCY LIFT	-2dB to +3dB at 4.433 MHz.
OVERALL GAIN CONTROL	-2dB to +6dB
FREQUENCY RESPONSE	30HZ to 8MHz flat within $\pm 1$ dB at unity gain.
OUTPUT PROTECTION	Circuit boards are protected against damage from any outputs being short circuited.
POWER REQUIREMENTS	Two 12V dc regulated supplies ( power supplies are included with unit ).
POWER CONSUMPTION	Approximately 35 watts at 230V 50Hz.
PERMISSIBLE AMBIENT OPERATING TEMPERATURE	-10°C to +40°C.
WEIGHT OF UNIT	5.0 kg
DIMENSIONS OF UNIT	Height 132mm (3U) Depth 310mm excluding connectors Width 483mm ( 19 inches )



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