



Technical Data

- Professional quality C.C.T.V. distribution amplifier
- 4 Inputs, 75 Ohms, BNC
- 12 Outputs, 75 Ohms, BNC
- Gain 0dB \pm 0.5dB (when terminated with 75 Ohms)
- DIP switch for configuration
- Flexible configuration
- Single mode: 1 input to 12 outputs
- Dual mode: dual 1 input to 6 outputs
- Quad mode: quad 1 input to 3 outputs
- Mixed Mode1: 1 input to 6 outputs and dual 1 input to 3 outputs
- Mixed Mode2: 1 input to 9 outputs and 1 input to 3 outputs
- Switchable input termination
- Loop-through on inputs allows expansion up to 1 to 96 and beyond
- High quality amplifiers with DC restoration on all inputs
- Individual power regulators for low cross-talk between channels
- Bandwidth 7MHz (\pm 1dB)
- High reliability, cool running
- Robust metal enclosure
- Dimensions: 180mm x 42mm x 200mm (WxHxD)
- 12V power input, 160mA
- Mains power supply included: 90 to 264Vac 50/60Hz 5W
- Temperature: 5 to 35deg C (operating), -10 to 40deg C (storage)
- Humidity: 5 to 95% non-condensing
- Manufactured in the UK

Order Codes

- | | |
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| Vi-A12 | 12-output Video Distribution Amplifier |
| Vi-A12VL | 12-output Video Distribution Amplifier with video loss status LEDs and alarm relay |

Accessories

- | | |
|-----------|---|
| Vi-RA14 | Rack adaptor for 2 distribution amplifiers, 1U |
| Vi-DPSU-1 | Distributed Power Supply supplies up to 50 Distribution amplifiers. Dual redundancy PSUs, individually fused outputs, status LED for all outputs, alarm LED and relay |

Overview

The Vi-A12 Distribution amplifier has numerous applications where individual video sources need feeding to multiple devices such as monitors, digital recorders and transmission equipment. This unit provides the flexibility to be configured for twelve-way distribution, for dual six-way distribution or quad three-way distribution. Input termination is also selectable by DIP switch and units may be cascaded to provide distribution of video to larger numbers of devices (12, 24, 36, 48 etc).

DC restoration is provided on all inputs to ensure the highest quality video even when fed from long cable runs or from video that has suffered loss degradation from passing through other equipment.

The Vi-A12VL version has the added functionality of video loss monitoring. Status LEDs on the front panel indicate the presence of video on each of the four inputs. An alarm LED and alarm relay operate if video is lost on any of the inputs or if any of the amplifiers or power regulators fail. This is a key feature in larger systems or safety-critical applications such as road, rail and air transport systems.

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This product is designed and manufactured to the highest standards within our ISO9000 certified quality assurance system. It is certified to meet the CE mark requirements in accordance with the 89/336/EEC Electromagnetic Compatibility and 73/23/EEC Low Voltage directives. Due to a policy of ongoing product development, specifications may change without notice.



Vsd550E