



V1617 & V1617AC

Video Distribution Amplifier

FEATURES

- 7 outputs
- Extensive control facilities
- High performance
- AC coupled version (V1617AC)

SEVEN VIDEO OUTPUTS FROM A SINGLE INPUT



The V1617 Video Distribution Amplifier provides seven video outputs from a single input. It incorporates a variable equaliser which can be selected as a cable equaliser or a chrominance equaliser for either 4.43Mhz or 3.58Mhz subcarrier systems. Provision is also made for fitting custom equaliser options. A video clamp with switchable time constants is also included.

All facilities of the V1617 may be controlled from the front panel of the module or remotely via DART control systems.

The V1617AC is a seven output AC coupled video amplifier with front panel control of video gain and cable equalisation. It may be monitored via DART, but no remote control facilities are offered.

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Video Distribution Amplifier

Technical Specification

Input

Nominal Level	1.0V pk - pk
Impedance (bridging)	>40k Ohms
Return Loss	>45dB (0 to 10MHz)
Common Mode Rejection	>50dB (0 to 500Hz)
Maximum DC Component	+/- 6V

Outputs

Number of Outputs	7
Impedance	75 Ohms +/-0.1%
Return Loss	>45dB (0 to 10MHz)
Output Matching	<0.01dB

Performance

Gain	+6 to -6dB
Frequency Response	+/-0.1dB to 10MHz
Cable Equaliser	Up to 300m of video cable
Chrominance Equaliser	+6 to -6dB at subcarrier frequency
K-2T	<0.1%
K-pb	<0.1%
K-bar	<0.1%
K-50Hz	<0.2%
Luminance Non-Linearity	<0.1%
Differential Gain	<0.1%
Differential Phase	<0.1%
Signal to Noise Ratio	>80dB (luminance weighted)
Chroma/Luma Gain error	<0.5%
Chroma/Luma Delay Error	<0.5ns
Power Requirement	2.6W

Specifications subject to change

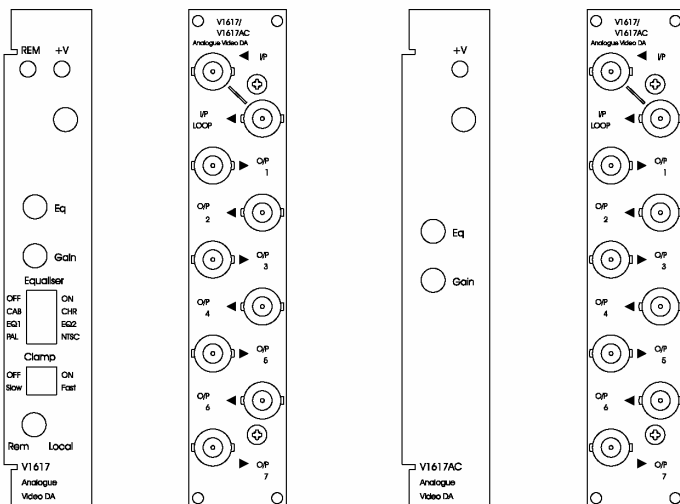
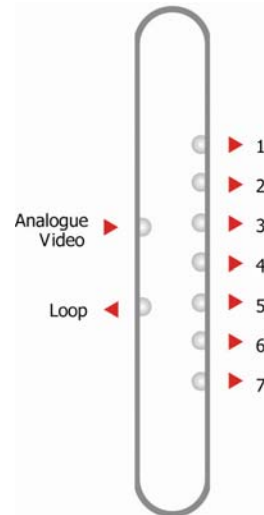
Ordering Information

V1617	Video DA
V1617AC	Video DA

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Please supply the type required when placing order:

V16VR3F	3RU
V16VR1F	1RU

Note: Special versions of rear module are available on request.



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