D VA 5718 L

SDTV / HDTV
SERIES 5000
CardModules

SD/HD Analog Video Distribution Amplifier

Description

The D VA 5718 L is a flexible and cost effective solution for high quality SD and HD analog video or sync distribution. The module is a single channel 1>8 analog distribution amplifier with a passive loop through input. This module is ideally suited for demanding high quality broadcast and professional video applications.

Digitally adjustable video gain and equalization is provided for system calibration with input signal presence detection for SD or HD video. Inputs can be AC or DC differential coupled with or without input clamping (selected via control system)

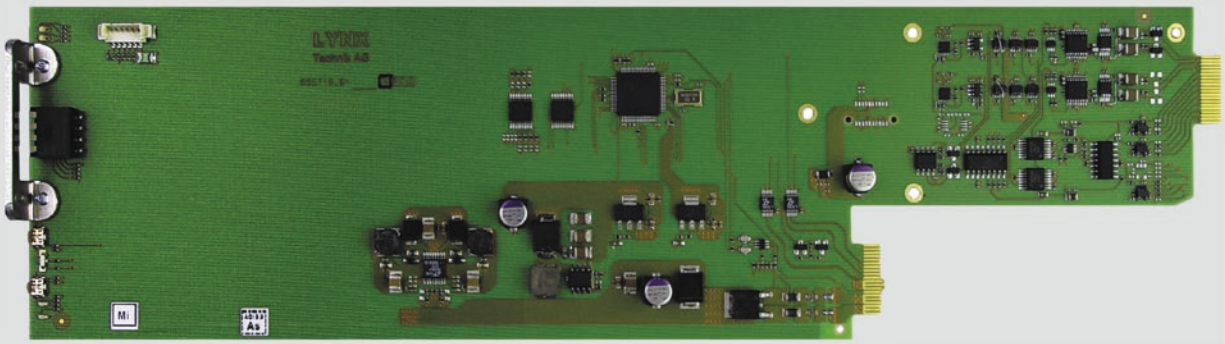
The module can also function as a Sync DA, handling both tri-level HDTV sync or bi-level SDTV sync inputs.

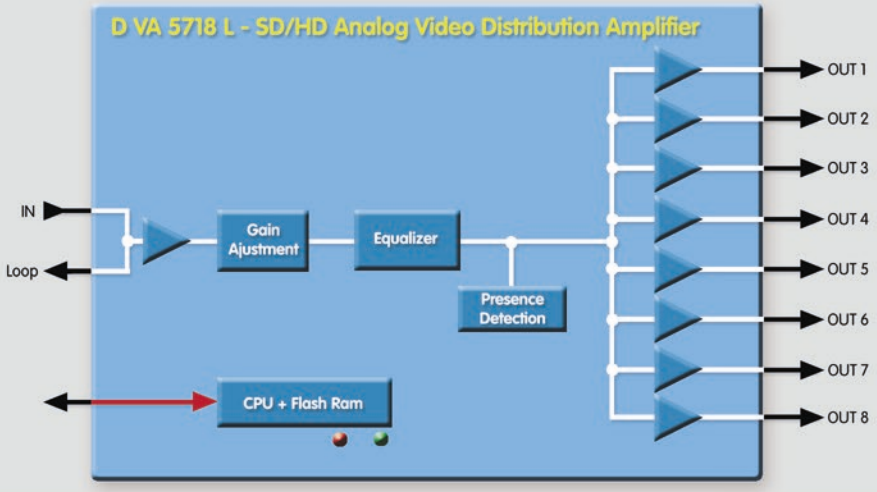
Microprocessor control and on board flash ram enable configurations and settings to be stored within the module (through power cycles and module removal).

Local control capability is provided via the integrated dip switches. Remote control, status monitoring and error reporting is possible when using the LYNX APPolo control system.

Features

- High quality 1>8 video distribution
- Wide band amplifier for both SD and HD analog video
- Also use as sync DA, for tri-level and Bi-level sync
- Passive loop through input
- Signal presence detection
- Adjustable video gain
- Adjustable Cable equalization
- Selectable input clamp. (via control system)
- Selectable AC or DC coupled inputs (via control system)
- Microprocessor controlled with internal flash ram for storing configuration.
- Remote control, status monitoring and error reporting possible when used with the LYNX APPolo control system
- SNMP error reporting when used with master controller option
- Hot Swappable.





Backplane

LYNX Distribution

D VA 5718 L DISTRIBUTION

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Specifications

Video Inputs	
Signal Type	**Video:** SD or HD Analog video **Sync:** SD or HD (tri-level) Sync
Input coupling	Differential AC or DC (selectable via on-board jumpers)
Input Impedance	75 Ohms
No. Of inputs	1 (with passive loop through)
Connector	BNC
Input clamp	ON/OFF selection via on-board jumpers
Return loss	> 31dB to 10MHz
Common mode rejection	> 65dB to 10KHz
Max input Level	2v (peak to peak)
Video Outputs	
No. Of Outputs	8 amplified and equalized, with 1 passive loop through of input.
Signal Type	SDTV/HDTV Analog video / Tri-level or Bi-level sync
Return loss	46.5dB to 10MHz
Phase match	< 0.1 degrees at 4.43MHz
Response variation	< 0.15dB to 8 loads
Connector	BNC
Output Impedance	75 Ohms
Adjustment range	-3.2dB to +3.6dB in 256 increments
Performance	
Frequency response	+/- 0.1dB to 30MHz, -3dB at 66MHz
Differential gain	< 0.60%
Differential phase	< 0.4 degrees
Hor / vert tilt	< 0.5%
Signal to noise ratio	> 69dB to 17MHz (RMS noise/700mv, unweighted)
Hum	< 0.5 mv
Gain	-3.2dB to +3.6dB in 256 increments
Cable Equalization	Adjustable for up to 200m SDTV or 100m HDTV using Belden 8281
Control	Local settings using on board dip switches and push buttons. Remote control possible when used with LYNX controller
Status monitoring (LED)	SD/HD Signal presence / general alarm
Electrical Specifications	
Operating Voltage	12 VDC
Power Consumption	< 3W
Safety	IEC 60950/ EN 60950/ VDE 0805
Mechanical	
Size	283mm x 78mm
Weight	CardModule 120g, connector plate 50g
Ambient	
Temperature	5°C to 40°C Maintaining specifications
Humidity	90% Max non condensing

Specifications subject to change

Settings and Control

Local Settings	
Adjustment selection	Gain or equalization
Unity selection	yes / no
Adjustment	Adjust gain or equalization UP/DOWN
Settings Available from APPolo Control System	
All local controls duplicated. Additional parameters provided via the control system listed below:	
AC or DC input coupling	Select AC or DC
Input clamp	ON/OFF

On Board Indicators / LEDs
Signal present / no input
General alarm indicator – three Color

Ordering Information

Model #	Part Number	Description	Includes
D VA 5718-L	6155055718	SD/HD 1>8 Analog Video Distribution Amplifier	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual

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