

D VD 5020

SERIES 5000

CardModules

Dual SDI Distribution Amplifier

Description

Featuring dual mode operation with clocked or non re-clocked operation the D VD 5020 is a versatile solution for SDI distribution within any system. The D VD 5020 can be used as a single 1>8 or a dual channel 1 > 4 device. Each channel can be independently clocked or non re-clocked. This module is ideally suited for demanding high quality broadcast and professional video applications.

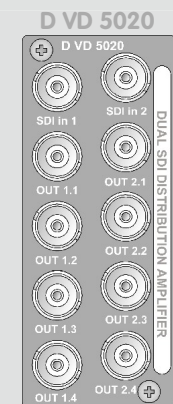
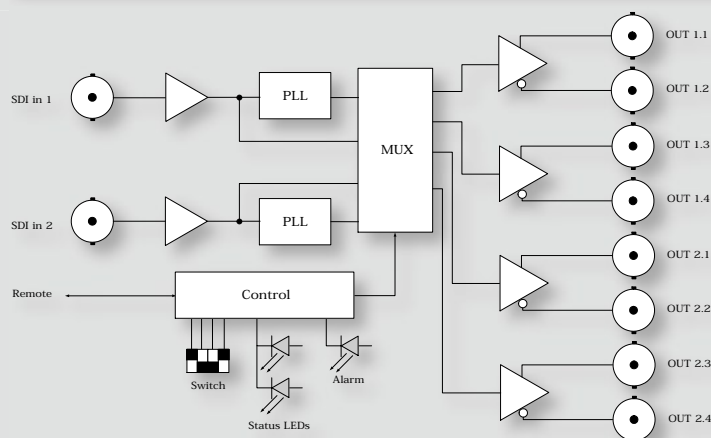
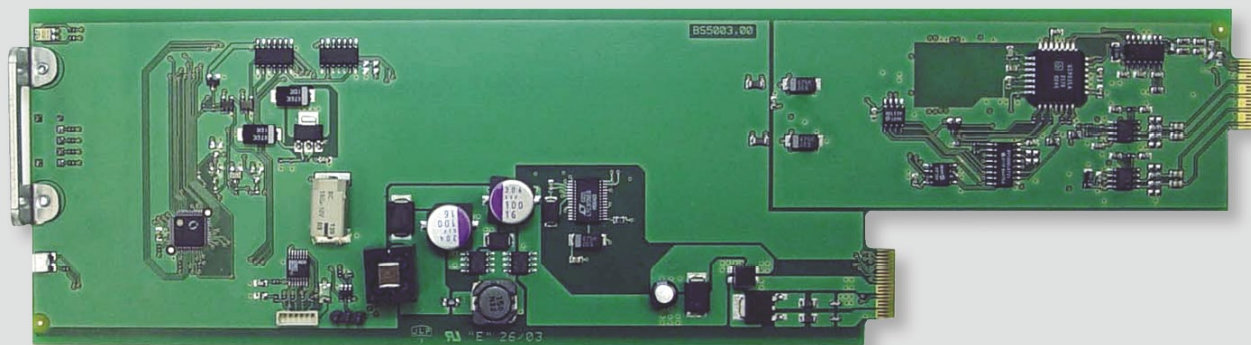
In re-clocked mode the module will auto-detect standard video bit rates (143, 177, 270, 360 and 540Mbits/s) and transparently pass data from 10Mbits/s to 640Mbits/s when set to non re-clocked mode.

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 switch and multifunction switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

Features

- Dual mode operation 1>8 or dual 1>4
- Each channel can be clocked or non re clocked
- Auto detect video bit rates of 143, 177, 270, 360, 540Mbits/s
- Transparently pass data between 10 and 640Mbits/s in non re clocked mode.
- Microprocessor controlled with internal flash ram for storing configuration
- Remote control, status monitoring and error reporting possible when used with LYNX control system
- Full SNMP support when used with master controller option
- Hot Swappable



Backplane

Dual SDI Distribution Amplifier

Specifications

Video Inputs

Signal Type	Serial Digital Video SMPTE259M-ABCDE
Input Impedance	75 Ohms
No. Of inputs	2
Connector	BNC
Return loss	> 15dB (270MHz)

Video Outputs

No. Of Outputs	8
Signal Type	Serial Digital Video SMPTE259M-ABCDE
Output level	0.8 v peak to peak
Return loss	> 15dB (500MHz)
Connector	BNC
Output Impedance	75 Ohms

Performance

Cable equalization	Up to 250M using Belden 8281 (270MHz)
Jitter	< 0.2 ui (in reclocked mode)
Control	Local settings using on board dip switches. Remote control possible when used with LYNX controller
Status monitoring (LED)	Signal presence plus 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

Mode selection	Select between single 1>8 mode or dual 2>4 mode
Set outputs 1-4	clocked / non re-clocked
Set outputs 5-8	clocked / non re-clocked

Settings Available from Control System

Local controls duplicated. No additional parameters provided via the control system

On Board Indicators / LEDs

Channel 1.	Signal Present / No input
Channel 2.	Signal Present / No Input
General Alarm Indicator	– 3 Color

Ordering Information

Model #	Part Number	Description	Includes
D VD 5020	6155008230	Dual SDI Distribution Amp	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual