

8>2 SDI Input Switch with Reference

Description

The S VD 5082 provides 8>2 SDI input switching functionality for use in a variety of applications. The unit takes 8 SDI inputs and provides two switched SDI outputs. The unit can be configured for automatic switching to next available input when designated input is lost, or can be programmed to cycle through all inputs automatically. Manual switching is possible via the control system GUI or by using one of the available simple switching panels (or provide your own)

Reference input provides for "clean" switching in the vertical interval (line 6 for 625 and line 10 for 525)

Each output can be configured as re-clocked or non re-clocked. 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. ASI / DVB signals pass transparently in non re-clocked mode.

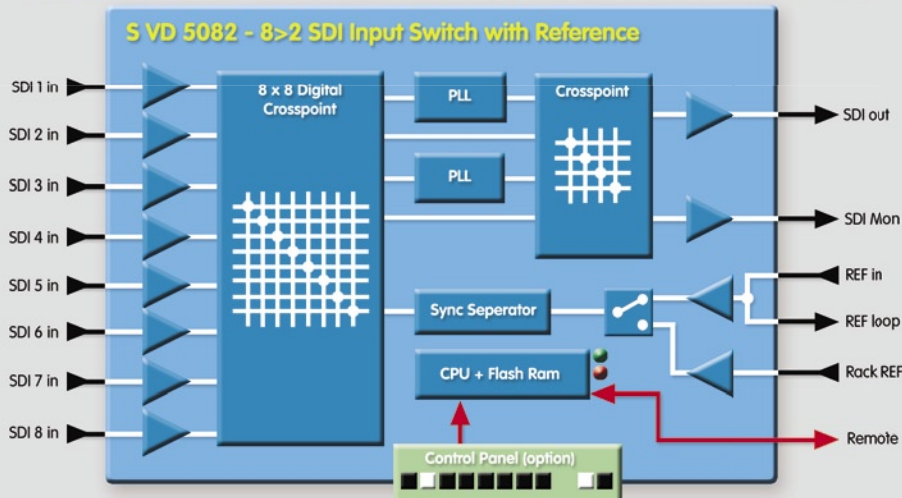
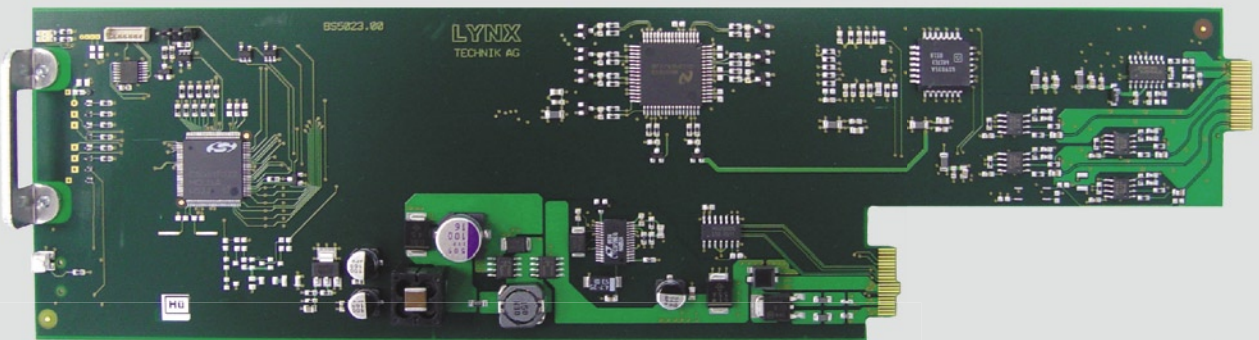
Microprocessor control and on board flash ram enable configurations and settings to be stored within the module (through power cycles and module removal). Local control capability is provided via the integrated dip switch and multifunction switch. Remote control, status monitoring and error reporting is possible when using the LYNX control system.

Features

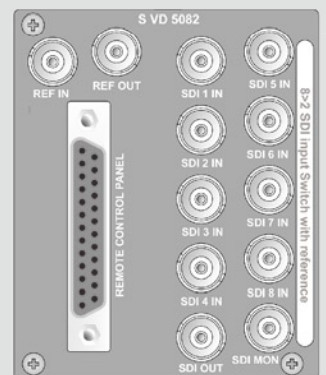
- 8>2 SDI input switch.
- Clocked or non re-clocked SDI outputs.
- Input presence detection for all inputs.
- Transparent for DVB-ASI signals.
- Auto detect video bit rates of 143,177,270,360,540Mbits/s.
- Transparently pass data between 10 and 640Mbits/s in non re-clocked mode.
- Synchronous switching (line 6 625, line 10 525).
- Selectable automatic switching to next available input if input signal is lost.
- Cyclic auto switching between available inputs (inputs and time duration configured from remote controller).

- Supports simple switching control panel.
- 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.

Note. Control panel not included.



Note. This module takes up two rear rack slots.



Backplane

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Specifications

Video Inputs

Signal Type	Serial Digital Video SMPTE259M-ABCDE
Input Impedance	75 Ohms
No. Of inputs	8
Connector	BNC
Return loss	> 15dB (270MHz)

Video Outputs

No. Of Outputs	2
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 relocked mode)
Reclocking	Outputs selected to be clocked or non-reclocked
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

Reclocking	Re-clocked / non re-clocked / output 1 / output 2
Auto switch	Select auto switching
Cycle	Select channel cycle mode

Settings Available from Control System

Crossbar	Manually operate switch
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On Board Indicators / LEDs

Reference in	Signal Present / No input
General Alarm Indicator	- 3 Color

Ordering Information

Model #	Part Number	Description	Includes
S VD 5082	5155007800	8>2 SDI input Switch with Reference	CardModule, Rear termination Panel, + Mounting Screws, and Reference Manual