



Features

- Supports HD/SDI & ASI signals
- Non-inverting & Inverting outputs
- Re-clocking (143; 270; 1438; 1485 Mbps)
- Front panel BNC monitoring
- DVSW-5100 & DVSW-5200
 - Graphical Front Panel
 - Web based monitoring & control
 - Digital video analyser sub-board (DVSW-5200)

Description

The Digital Video Switch is a universal crosspoint switch for SD, HD & ASI formats. The module detects the input rate and automatically configures the appropriate retiming and output driver slew rate. Outputs are a combination of non-inverting and inverting to permit the transport or inversion of polarisation sensitive signals such as ASI. The optional front panel or web control allows remote monitoring of the incoming digital video and switching selection. The Digital Video Switch is especially suited to mixed data rate environments or installations that may change in the future.

Specifications

Electrical Inputs

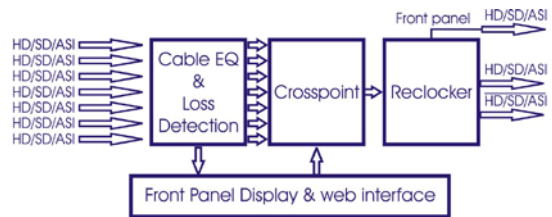
Number of Inputs	8
Data Rate	143, 270 1483 & 1485 Mbps
Standard	SMPTE 292M
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.	0 to 120m Belden 1694A (HD) 0 to 250m Belden 8281A (SD)
Impedance	75 ohm
Connectors	BNC female

Electrical Outputs

Number of Outputs	2 + front panel monitor
Polarity	complementary outputs
Signal Level	800mV p-p +/- 100mV
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	BNC female

Alarm & Control Interface

Graphical front panel display
 Embedded Web server with 10/100 UTP Ethernet
 RJ45 UTP on rear assembly
 Major & minor alarm relay contacts (rear assembly)



Supported Standards

- SMPTE - 259M (270Mbit/s)
- 292M (1483, 1485Mbit/s)
- 305M (SDTI) 310M
- DVB-ASI - EN50083-9 (270Mbit/s)

Compatibility

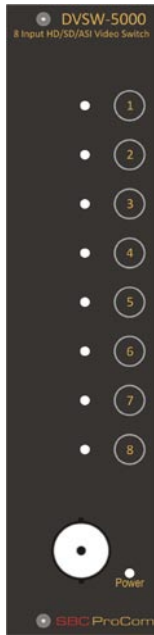
Compatible with all SBC modules supporting digital video interfaces
 Compatible with SBC 3RU, 84HP Eurocard frame
 Compatibility with third party frames upon request.

Compliances

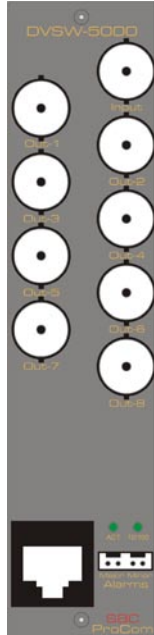
CE; UL; C-Tick
 RoHS Compliant Directive 2002/95/EC

Ordering Information

- DVSW-5000
- DVSW-5100 (Web control)
- DVSW-5200 (Web control & Analyser)



Front



Common Rear



Front



Rear