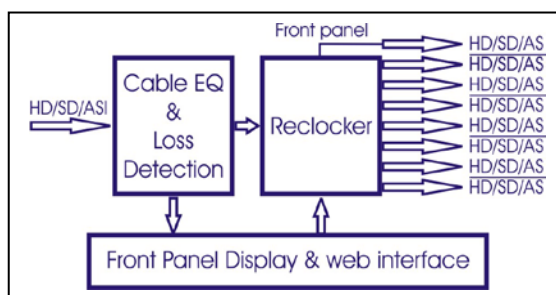




Features

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



Description

The Digital Video DA is a universal distribution amplifier 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 polarization sensitive signals such as ASI. The optional front panel or web control allows remote monitoring of the incoming digital video. The Digital Video Amplifier is especially suited to mixed data rate environments or installations that may change in the future.

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

Specifications

Electrical Inputs

Number of Inputs	1
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

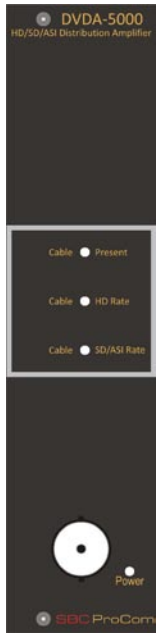
Number of Outputs	8 + front panel monitor
Polarity	complementary outputs
Signal Level	800mV p-p +/- 100mV
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	BNC female

Alarm & Control Interface

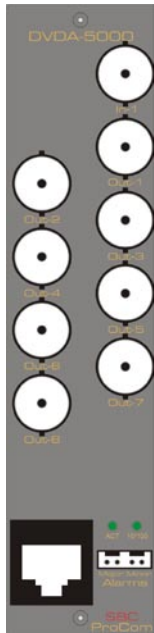
Graphical front panel display
Embedded Web server with 10/100 UTP Ethernet
RJ45 UTP on rear assembly
Major & minor alarm relay contacts (rear assembly)

Ordering Information

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



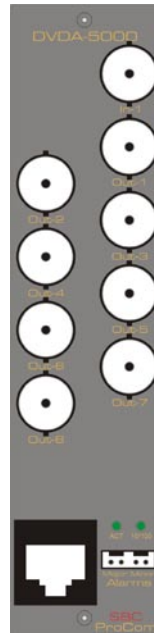
Front



Common Rear



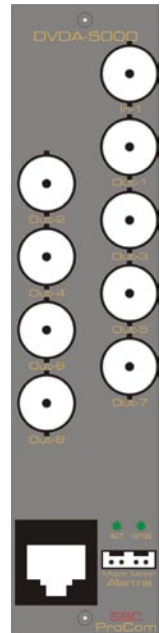
Front



Rear



Front



Rear

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