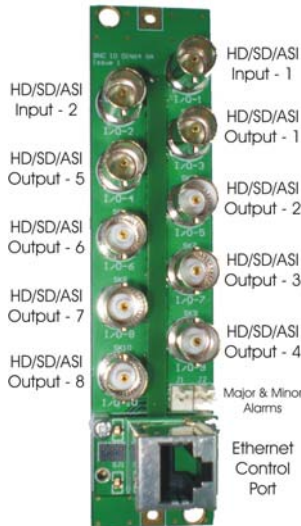


Digital Video DA

Preliminary Specifications

SBC



NOTE - shown without Decal

Features

- Supports HD/SDI & ASI signals
- Non-inverting outputs
- Configurable as Dual 1x4 or Single 1 x 8
- Configurable as non-reclocking or re-clocking (143,270,1438,1485 Mbps)
- Input failure switching and 2x2 crosspoint
- Front panel BNC monitoring
- Graphical Front Panel
- Web based monitoring & control

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 output driver's slew rate. All outputs are non-inverting to permit the transport of polarization sensitive signals such as ASI. The front panel or web control allows control over input to output routing, behavior upon input loss and the enabling of reclocking functions. The Digital Video Amplifier is especially suited to mixed datarate environments or installations that may change in the future.

Specifications

Electrical Inputs

Number of Inputs	2
Data Rate	143, 270 1483 & 1485 Mbps
Standard	SMPTE 292M
Re-clocking	selectable (ON or OFF)
Return Loss	>15dB (5MHz – 1.5GHz)
Cable Eq.	0 to 100m Belden 1694A (HD) 0 to 250m Belden 8281A (SD)
Impedance	75 ohm
Connectors	75 ohm BNC female

Electrical Outputs

Number of Outputs	8 + front panel monitor
Polarity	All non-inverting (ASI compatible)
Signal Level	800mV p-p +/- 100mV
Return Loss	>15dB (5MHz – 1.5GHz)
Impedance	75 ohm
Connectors	75 ohm 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.

