

Model 9110

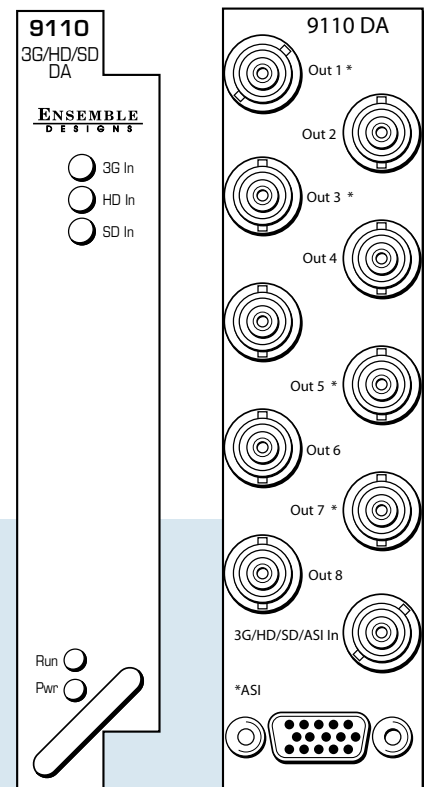
3G/HD/SD/ASI Reclocking Distribution Amplifier

The Avenue 9110 module is multi-rate serial digital distribution amplifier with automatic cable equalization and reclocking. It automatically detects and operates at 270 Mb/s for Standard Definition (525 or 625) signals and at 1.5 Gb/s or 3 Gb/s for High Definition signals. It also can be used with DVB-ASI signals. The module has one input and eight outputs. The module can be used in either the 3RU or 1RU Avenue frame.

Input signal presence and bit rate can be monitored through the Avenue Control System and it is also indicated by LED indicators on the front edge of the module. On loss of signal, the 9110 can generate an alarm that is monitored through Avenue PC.

Features

- » 3G/HD/SD/ASI Distribution Amplifier
- » Supports all HD, SD and ASI standards
- » Supports 3 Gb/s, level A and level B
- » Auto-senses standard definition or high definition input
- » Reclocked outputs
- » Auto EQ
- » Alarm on loss of signal
- » Passes embedded audio



Serial Digital Input

Number	One
Signal Type	HD Serial Digital 1.485 Gb/s SMPTE 274M, 292M or 296M HD Serial Digital 2.97 Gb/s SMPTE 424M, 425M or SD Serial Digital 270 Mb/s SMPTE 259M or DVB-ASI 270 Mb/s
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz
Max Cable Length	
270 Mb/s	300 meters Belden 1694A
1.485 Gb/s	100 meters Belden 1694A
2.97 Gb/s	70 meters Belden 1694A
Automatic Cable Input Equalization	

General Specifications

Power Consumption	<7.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft

Serial Digital Output

Number	Eight (SD, HD) or Four (ASI)
Signal Type	ASI on outputs 1,3,5,7
Impedance	Follows input
Return Loss	75 Ω
Output DC	>15 dB to 1.485 GHz
	None (AC coupled)

