5110
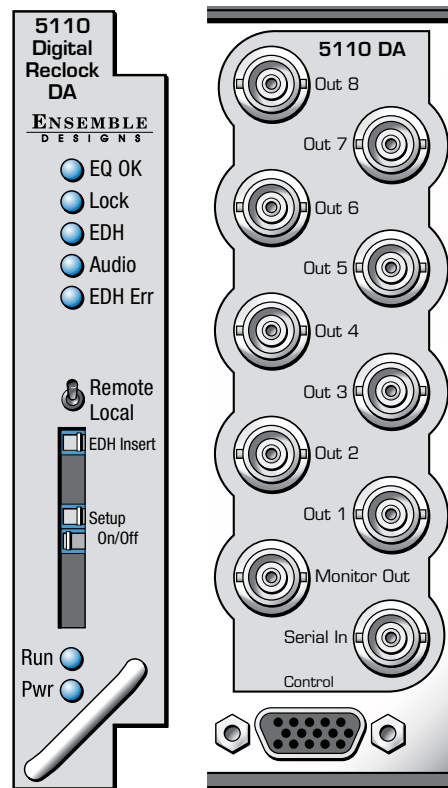## Digital Reclocking DA with EDH Monitoring and Insertion

The 5110 module is a digital reclocking distribution amplifier with EDH monitoring and insertion. Jitter reduction makes it perfect for all types of digital signal distribution.

Input EDH errors can be detected and reported and new EDH can be created and incorporated into the output data streams. Flags and CRCs are reported. From the Avenue Touch Screen interface, Avenue PC and from the web browser, EDH error counters can be read and reset to show the frequency of errors.

Module parameters, such as detected line standard, EDH processing options, and maximum input cable length, can be monitored and adjusted locally and remotely. Remote control is accessed via Avenue Panels and the Avenue PC Control Application.

Features

- **Eight serial digital outputs**
- **One composite monitor output**
- **Reclocking and jitter reduction**
- **EDH monitoring and insertion**
- **User-definable alarms**
- **EQ warning circuit**
- **Local and remote control of module settings**
- **Passes embedded audio**

AVENUE™

Digital Reclocking DA with EDH Monitoring and Insertion

Input Signal

Number	One
Signal Type	Serial Digital SMPTE 259M
Impedance	75 Ω
Return Loss	143, 177, 270 Mb/s >15 dB
	360 Mb/s >15 dB
Max Cable Length	300 meters
	Belden 1694A

Serial Output Signal

Number	Eight
Signal Type	Serial Digital SMPTE 259M
Impedance	75 Ω
Return Loss	143, 177, 270 Mb/s >15 dB
	360 Mb/s >15 dB
Output DC	None (AC coupled)

Composite Monitor Output

Number	One
Signal Type	NTSC/PAL
Impedance	75 Ω
Return Loss	>40 dB
Output DC	<±200 mV
Response	±0.25 dB,
	10 kHz to 5.0 MHz
K Factor	<1.5%

General Specifications

Power Consumption	<4.0 watts
Temperature Range	0 to 40°C ambient (all specs met)
Relative Humidity	0 to 95%, noncondensing
Altitude	0 to 10,000 ft