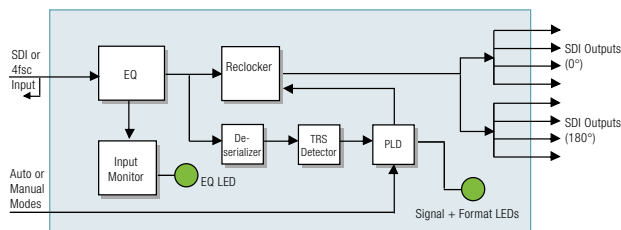
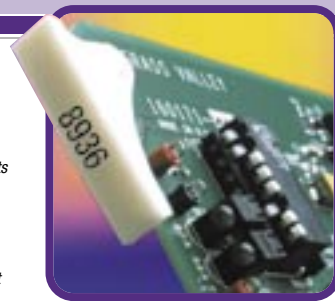
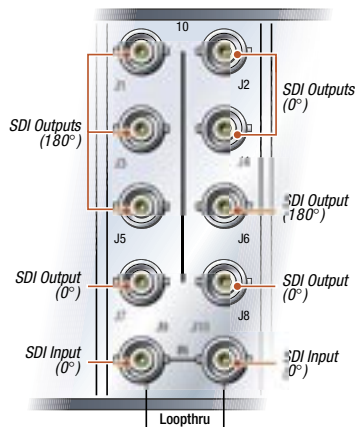


The 8936 digital video auto reclocking DA is suited for medium to long distance distribution. The reclocking feature reduces the jitter induced over long cable runs or from unstable sources. Signal formats are automatically detected so there is no need to set jumpers or determine signal rate beforehand.

key features

- *Passive differential loopthrough design adds flexibility and reliability to system*
- *Eight outputs*
- *Auto detects all SMPTE 259M data rates*
- *Auto-equalization up to 300 meters*
- *Auto format detection (525/625)*



specifications

Input

Type: Serial digital (SMPTE 259M A, B, C, and D)

Connector Type: BNC

Impedance: High Z differential loopthrough

Supported Data Rates: 143, 177, 270, and 360 Mb/s

Return Loss:
>18 dB (up to 270 MHz)
>15 dB (up to 360 MHz)

Automatic Cable Equalization:
<300 meters (up to 270 Mb/s)
<200 meters (up to 360 Mb/s)

Output

Type: Serial Digital (SMPTE 259M A, B, C, and D)

Number of Outputs: Eight

Connector Type: BNC

Impedance: 75Ω

Return Loss:
>18 dB (up to 270 MHz)
>15 dB (up to 360 MHz)

Performance

Signal Reclocked

Power Consumption: <4W

Electrical Length: 3.4 ± 1 ns

Temperature Range: 0° to 50°C
(All specifications met)

Health Monitoring:
Power supply fault alert per SMPTE 269M
Input signal present
Input EQ warning

Indicators and Controls

Indicators: Input sample rate, EQ warning

User Controls: Input sample rate, EQ warning (enable/disable), video present (enable/disable)

Remote: SMPTE alarm

ordering information

8936

Auto-reclocking distribution amplifier

8936MAN

Product manual

8900TX-V

2 RU frame with passive cooling and single 100W power supply (Cooling limited to 30W maximum load without adding fan front cover, 8900FAN)

8900TF-V

2 RU frame with fan front cover (8900FAN) and single 100W power supply

8900TFN-V

2 RU frame with fan front cover (8900FAN), 100W power supply, and Ethernet card (8900NET)

8900PSX

Redundant 100W power supply for 8900TX-A/V, 8900TF-A/V, and 8900TFN-A/V, works in all 8900/Gecko frames

8900NET

Ethernet interface card to upgrade 8900TX-A/V or 8900TF-A/V