

Description:

DL240HD/SD is a SD/HD delay line. It can delay the input video up to 120 seconds for HD and 660 second for SD-SDI. It can support 1080i50, 1080i60, 1080Psf24, 720P50, 720P60, 576i and 480i video standard, and provide delay for video input signal and embedded audio signal (including Dolby E).

The DL240HD/SD is designed for 24/7 mission critical application, It provides the highest reliability. It has dual power supply and relay bypass for program path.

The DL240HD/SD also provides backup channel for ease of system integration. By using the optional control panel, user can decide the cut in point and restart point of the program, to realize the automatic switch to deal with the emergency needs.

**Features:**

- ▶ Support 1080i50, 1080i60, 1080Psf24, 720P50, 720P60, 576i and 480i video standard
- ▶ Backup signal input and switching
- ▶ Delay all embedded audio including Dolby E at the same time
- ▶ Loop through output for all input signals
- ▶ Dual power supply
- ▶ Relay bypass for program



Specifications: Specifications are subject to change without notice

Serial Digital Video Inputs

Quantity	2 (SDI In, Backup In)
Standard	SMPTE 259M-C, SMPTE 292M
Format	486i59.94, 576i50, 1080i50, 59.94, 60, 720p50, 59.94, 60, 1080pSF23.98,24
Connector	BNC
Impedance	75ohm
Return loss	>15 dB (typical) to 1485 MHz

Serial Digital Video Outputs

Number of outputs	2 (SDI Out 1, SDI Out 2)
Standards	SMPTE 259M-C, SMPTE 292M
Frame rate	50 Hz, 59.94 Hz, 23.98 Hz
Connector	BNC
Impedance	75ohm
Return loss	>15 dB (typical) to 1485 MHz
DC offset	0.0 V \pm 0.5 V
Signal level	800 mV \pm 10%
Rise and fall time	<270 ps at 1.485 GHz; 400 ps to 1500 ps at 270 MHz
Overshoot	<10% of amplitude
Jitter	Timing (<1 UI at 1.485 GHz), Alignment (<0.2 UI at 1.485 GHz), Timing (<0.2 UI at 270 MHz), Alignment (<0.2 UI at 270 MHz)

Relocked Serial Digital Video Outputs

Number of outputs	2 (SDI Loop, Backup Loop)
Standards	SMPTE 259M-C, SMPTE 292M
Frame rate	50 Hz, 59.94 Hz, 23.98 Hz
Connector	BNC
Impedance	75ohm
Return loss	>15 dB (typical) to 1485 MHz
DC offset	0.0 V \pm 0.5 V
Signal level	800 mV \pm 10%
Rise and fall time	<270 ps at 1.485 GHz; 400 ps to 1500 ps at 270 MHz
Overshoot	<10% of amplitude
Jitter	Timing (<1 UI at 1.485 GHz), Alignment (<0.2 UI at 1.485 GHz), Timing (<0.2 UI at 270 MHz), Alignment (<0.2 UI at 270 MHz)

Video Reference Input

Quantity	2 (Loop Through)
Standard	Composite PAL or NTSC black burst or Tri-level analog HD
Level	1 Vp-p
Connector	BNC

Ordering Information:

DL240HD/SD	Solid State Delay Line
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