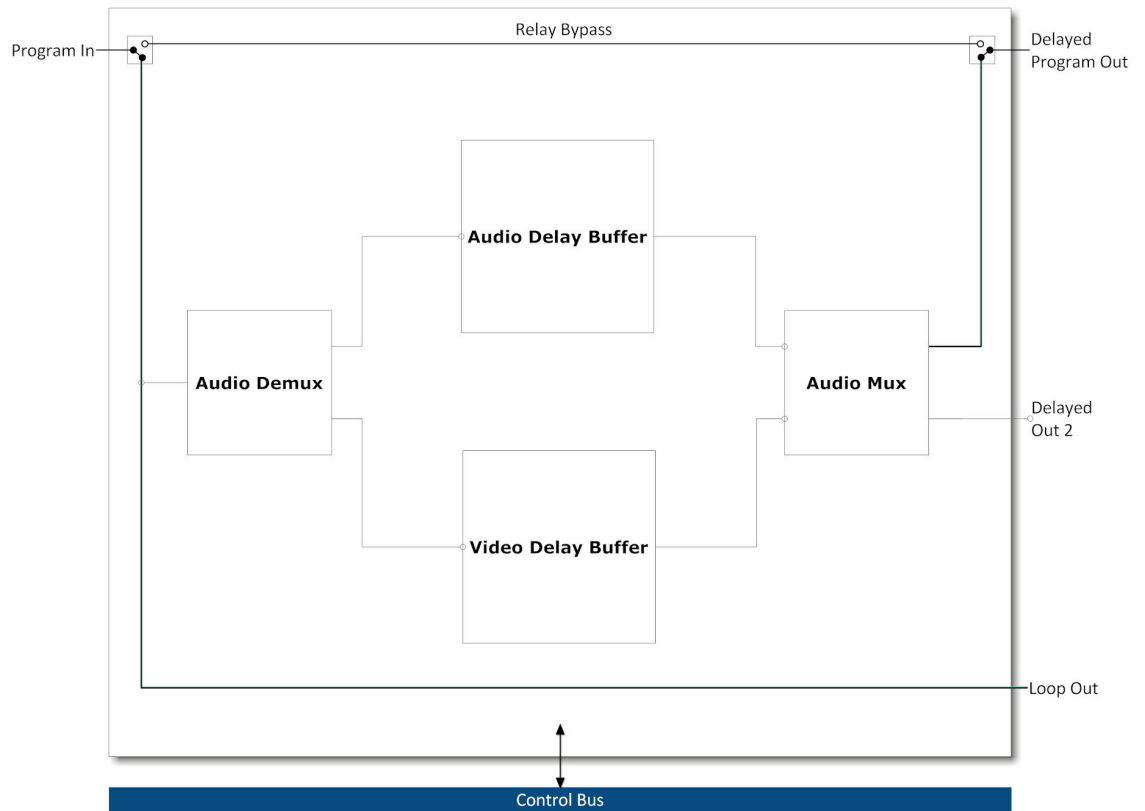


MicroVideo

HDL 300

HD/SD Video Delay



Adjustable offset delay up to 446 frames (SD)

Auto senses video standard

Transparent pass through of all ancillary data

Delay programmable in frames, lines or seconds

Up to 2.5 seconds delay for HD (1.5Gb/s)

Up to 15 seconds delay for SD

Features

Designed for use in satellite uplink, signal re-entry on master control inputs, at cable headends, mobile vehicle outputs, broadcast transmitter inputs, virtual sets and matching delays caused by multi-channel audio compression, the Microvideo HDL 300 is an HD (SMPTE 425M) SD (SMPTE 259M) SDI video offset delay capable of delaying video up to 15 seconds (SD-SDI).

Adjustable in frames, lines and pixels, the unit has a Serial Digital (HD/SD-SDI) input, one re-clocked SDI output and 2 delayed SDI outputs. The modules feature bypass relay protection on the primary output.

The HDL 300 occupies a single card slot and can be housed in the HD1U frame which holds up to 6 modules with dual PSUs

Specification

Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s) 1080p/59.94, 1080i/59.94, 1080i/50, 720p/50
Number of Inputs	1
Equalization	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable.
Return Loss	> 10dB up to 1.5GHz

Output

HD Serial Video Standard	As per input As per input
Number of Outputs	3 (1 relay bypass protected, 1 broadcast quality monitoring output, 1 preview)
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Rise and Fall Time	90ps nominal for HD, 600ps nominal for SD
Overshoot	< 10% of amplitude
Return Loss	> 15dB up to 1.0Gb/s, > 10dB up to 1.5Gb/s
Wideband Jitter	< 0.2UI

Miscellaneous

Weight Approx	250g
Operating Temp	0 °C to +50 °C
Dimensions	16 x 100 x 237 mm (HxWxD)
Electrical	Voltage +5Vdc

Options

Frames/Cases

HD1U-10	Rack mounting 1U frame with single PSU. Allows use of upto 6 Series 200 and 300 cards
HD1U-20	Rack mounting 1U frame with dual PSU. Allows use of upto 6 Series 200 and 300 card
SA-1-DG	Desktop Box to house single series 300 card (including TCPIP, RS232/422, cables and PSU)

Rear Connections

Program In
Not Used
Not Used
Loop Out
Delay Out
Dealy Out

