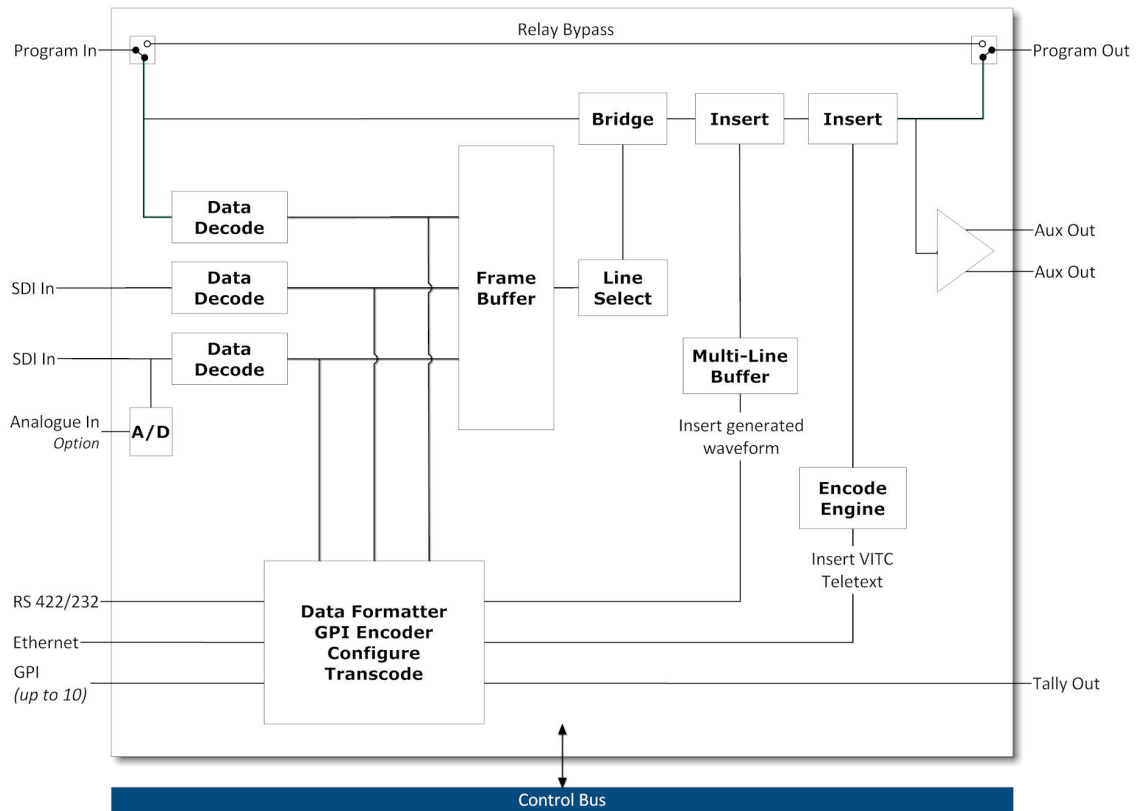


MicroVideo

HDB 300

HD/SD Data Inserter/Decoder/Bridge



Features

Broadcasters now demand more from every facet of their business, greater return on investment, lower cost of ownership, higher performance and more features. They demand those features are not just 'whistles and bells' but tools that can be used day-in day-out in the broadcast environment.

The Microvideo HDB 300 is a product that meets and exceeds those expectations.

Microvideo is a name synonymous with inserting, reading and managing data within digital video streams. With over 100 different varieties of inserters, decoder and databridges sold over the past 20 years, no one is trusted more by broadcasters to manage their data requirements than Microvideo.

Read, move, copy, shuffle or blank VBI and VANC data, insert from internally generated waveforms and data (VITC/ATC, VPS, WSS, ITS, AFD) or external data (closed captions, teletext, control signals). With up to 6 HDB 300 cards in a single 1U frame, the HDB 300 is the most cost effective HD/SD inserter, decoder or bridge on the market today.

Insert;

- Teletext,
- Captions,
- Control Signals, (Packet 31, Line 23 or proprietary)
- Proprietary Data,
- AFD and Bar Data,
- CNI,
- Video Index, and more

Simultaneously move, copy, insert and read data

Transcode Teletext/OP47: 608/708

Ethernet control, insertions and monitoring

Relay bypass maintains primary feed on loss of power

Open system will work with your existing equipment

Remote control and monitoring

Future proofed

Specification

Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s)
Number of Inputs	1080p/59.94, 1080i/59.94, 1080i/50, 720p/50
Equalization	1 Program, 2 data
Return Loss	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable. > 10dB up to 1.5GHz

Output

HD Serial Video Standard	As per input
Number of Outputs	As per input
Signal Level	3 (1 relay bypass protected, 2 broadcast quality monitoring outputs)
DC Offset	800mV nominal
Rise and Fall Time	0V ±0.5V
Overshoot	90ps nominal for HD, 600ps nominal for SD
Return Loss	< 10% of amplitude
Wideband Jitter	> 15dB up to 1.0Gb/s, > 10dB up to 1.5Gb/s
	< 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 Modules

VAC 300	Optional analogue data input
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Rear Connections

