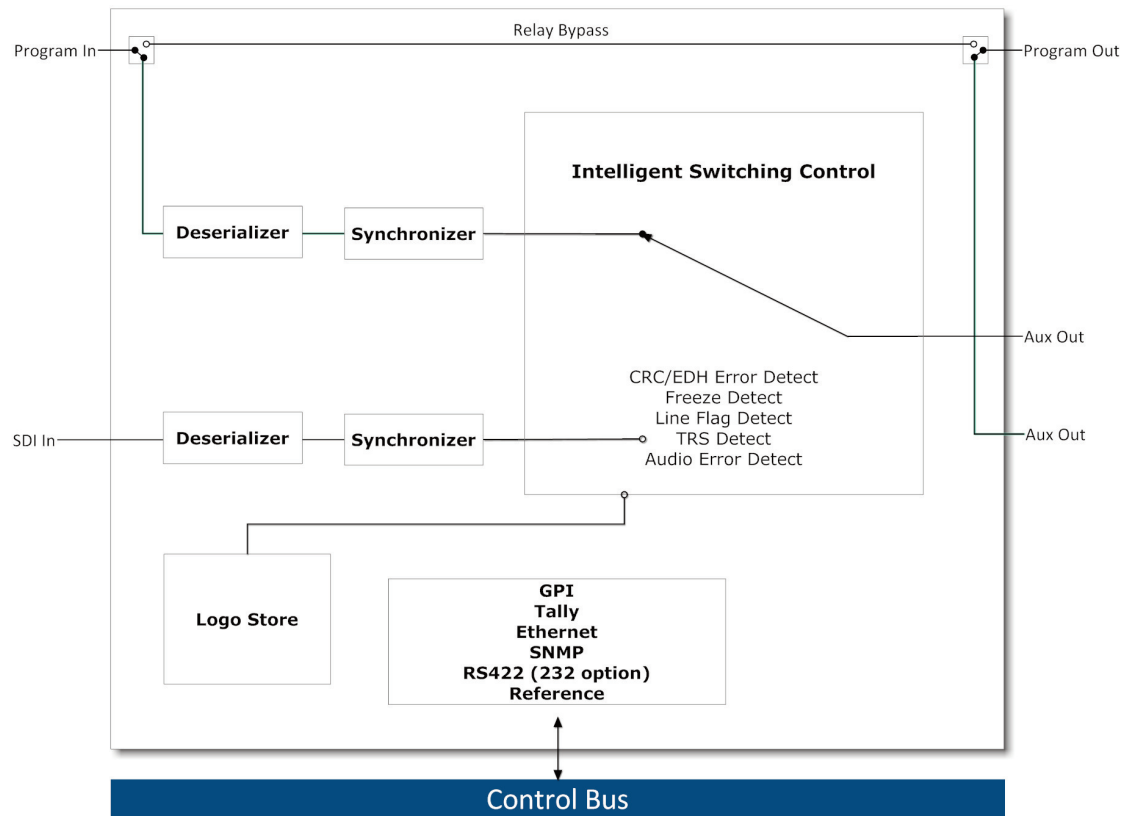


MicroVideo

HDS 201g

Seamless 2x1 protecton switch with user defined failsafe graphic



Features

The Microvideo HDS 201g has all the same features as the HDS 201s; synchronous switching, HD/SD-SDI compatible, automatic and 100% seamless, the HDS-201g will not only switch seamlessly between two mistimed input sources but also allows a user defined logo or apology caption to be displayed in the event of total video failure or simply when that channel is not on air.

The same two modes of switching are provided; automatic and non-resetting and misaligned signals, up to a complete HD frame apart are all managed seamlessly.

2 Serial Digital (HD/SD-SDI) inputs and 3 re-clocked SDI outputs. The signal is protected by a passive, fail-safe bypass relay that ensures there is an output even in the event of a total power failure.

The HDS 201g comes with integrated web interface, GPI and SNMP controls

User defined failsafe graphic
(up to full page HD)

100% Seamless changeover
on loss of video

100% Clean manual switch

Accepts mistimed signals up
to 1 HD frame

2 in 3 out

SNMP management

Relay bypass protection

Hot Swappable

Auto detect input video
standard

Manual switching from
external trigger

User selectable latch or
automatic return

Transparently pass All
VBI/VANC data

Input presence detection with
LED indicators

Specification

Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s)
Number of Inputs	2
Ref input	Normal SD syncs, Tri-level or black burst
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
Number of Outputs	3 (1 relay bypass protected, 2 broadcast quality monitoring outputs)
Signal Level	800mV nominal
DC Offset	0V ±0.5V
Rise and Fall Time	200ps nominal for HD, 750ps 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 Modules

LAT-300	Latching relay, maintains signal path even on loss of power
HDA-304	Adds a further 3 outputs to give a total of 6 outputs (uses additional slot)

Rear Connections

Primary In	
Backup In	
Not Used	
Aux 2 Out	
Aux 1 Out	
Program Out	

Switching Triggers

	3G	HD	SD
Video			
Loss of Video	✓	✓	✓
Video Error	✓	✓	✓
Black	✓	✓	✓
Freeze	✓	✓	✓
Audio			
Presence	✓	✓	✓
Silence	✓	✓	✓