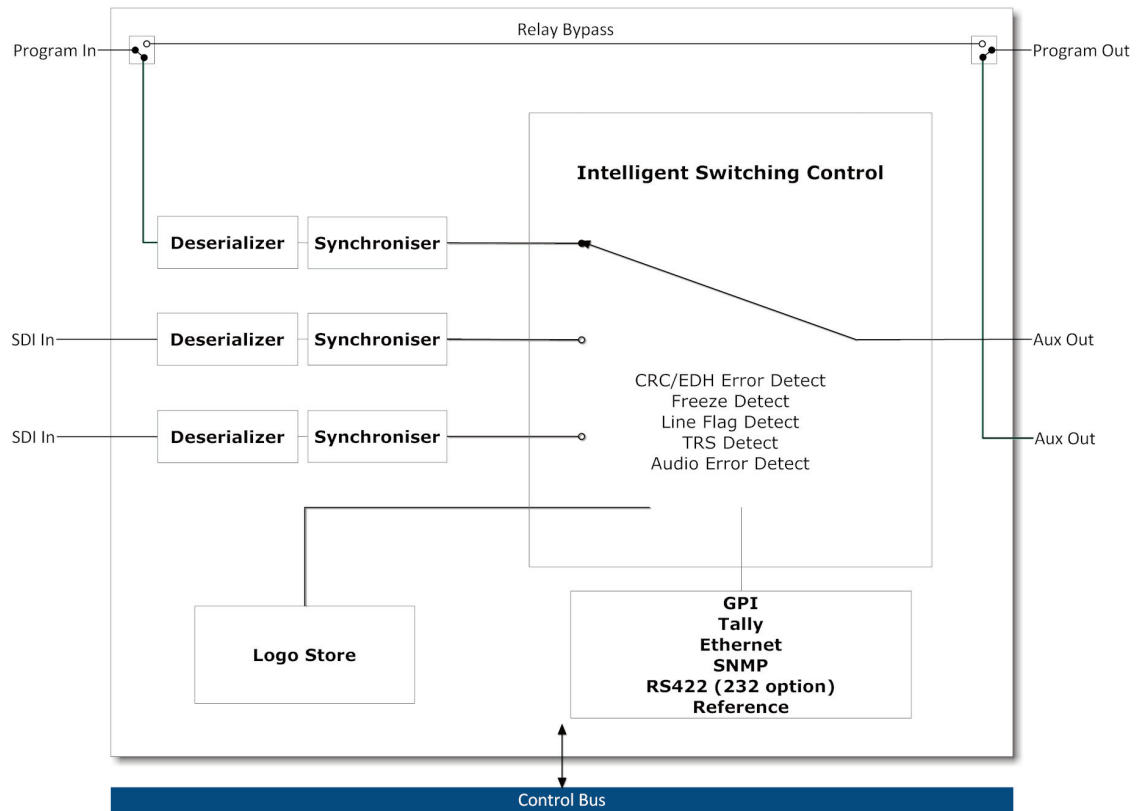


# MicroVideo

## HDS 301g

Seamless 3x1 protecton switch with user defined failsafe graphic



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

3 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

## Features

The Microvideo HDS 301g offers all the same features as the HDS 201s; synchronous switching, HD/SD-SDI compatible, automatic and 100% seamless, but the HDS-301g will switch seamlessly between three mistimed input sources and a user defined logo or apology caption.

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.

3 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

## Specification

### Input

SD/HD Serial Video Standard	SMPTE 424M (3Gb/s) SMPTE 292M (1.5Gb/s) SMPTE 259M (270Mb/s)
Number of Inputs	3
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
<b>Video</b>			
Loss of Video	✓	✓	✓
Video Error	✓	✓	✓
Black	✓	✓	✓
Freeze	✓	✓	✓
<b>Audio</b>			
Presence	✓	✓	✓
Silence	✓	✓	✓