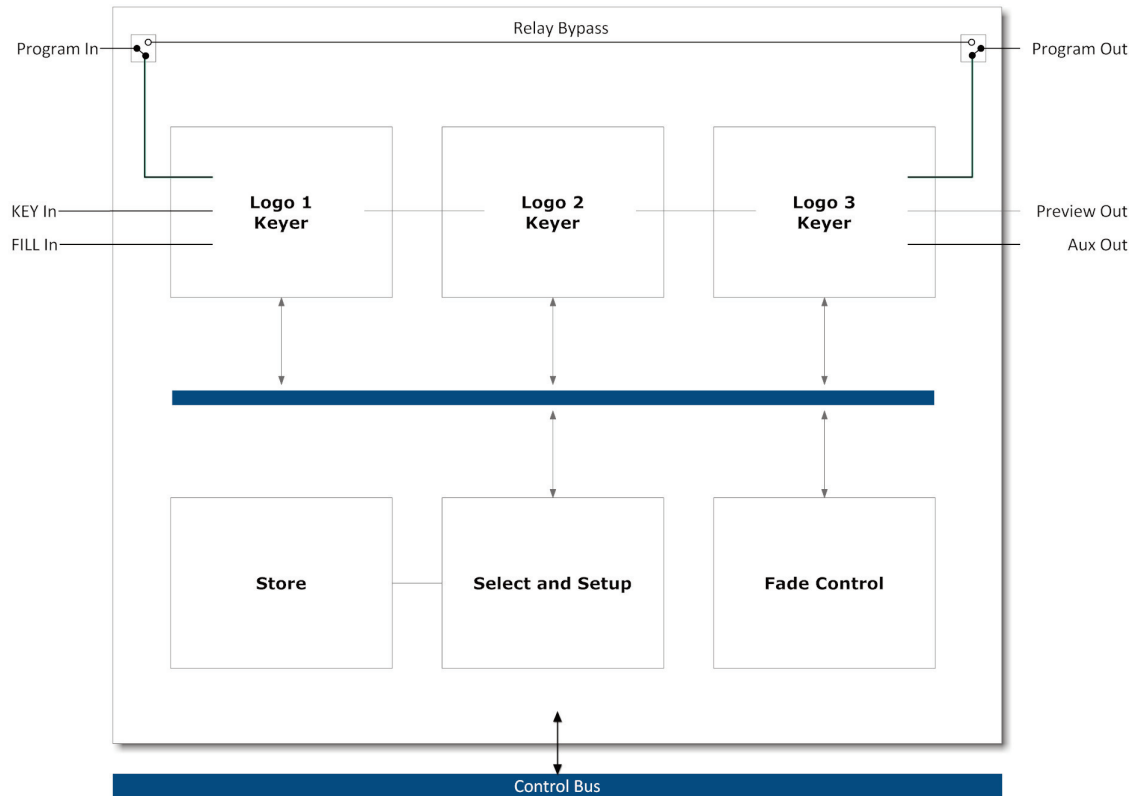


# MicroVideo

## HDG 300

### Triple layer still/animated Logo Generator



## Features

The HDG 300 Logo generator system is a complete HD/SD Logo Insertion/downstream keyer package that will key three static/animated "bugs" over an HD or SD video signal. The size of each logo is variable up to full screen.

Logos created in almost any uncompressed graphics format can be transferred to the HDG 300 via Ethernet.

Logos are stored in flash memory and can be quickly accessed via front panel, quick select keys, GPI inputs or automation.

With the removable SD card as standard you can have access of up to 2 Gigabytes of on-line logo storage space and virtually unlimited archived media storage.

The position of the logo, fade rates, clip association and animation rates are user controllable. 3 internal logos, or 2 internal and 1 external (via key and fill inputs) can be keyed simultaneously with independent fade control for each logo.

Onboard preview allows you to cue your logos for position and content verification prior to going "On Air".

Three simultaneous static/animated logos

Programmable quick selects for easy recall of complex setups

Removable SD memory for file storage/set up data

Smooth fade for each logo

Ancillary data and embedded audio are passed without modification.

EDH/CRC inserted.

Relay bypass of program input

Front panel diagnostics: configuration and temperature monitor

Up to 6 HDG 300 logo generators in a 1U frame

## 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	3, Program plus Optional Key and Fill
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 cards
SA-1-DG	Desktop Box to house single series 300 card (including TCPIP, RS232/422, cables and PSU)

## Rear Connections

Program In  
Fill In  
Key In  
Preview Out  
Aux Out  
Program Out

