

MicroVideo

HDG 300 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. It will also insert preformatted audio clips (WAV files), and voiceovers. 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 4 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".

At a glance

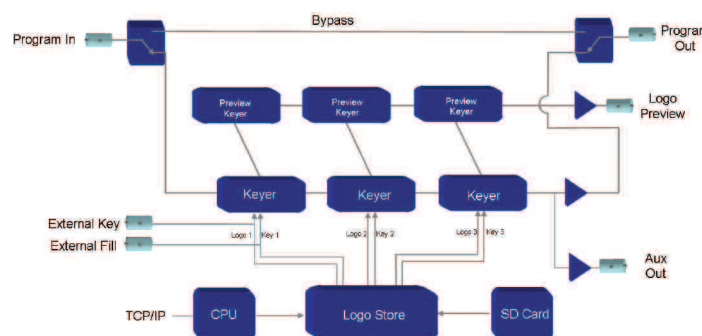
- Three simultaneous static/animated logos
- Programmable quick selects for easy recall of complex setups
- Transfer files from any PC via web browser
- Download almost any uncompressed graphics format direct to card
- Removable SD memory for file storage/set up data
- Smooth fade for each logo
- Software for configuring size / transparency / position
- Ancillary data and embedded audio are passed without modification. EDH/CRC inserted.
- User assignable apology slide for use on loss of program input
- Redundant hot swappable power supplies
- Relay bypass of program input
- Front panel diagnostics: configuration and temperature monitor
- Up to 6 HDG 300 logo generators in a 1U frame



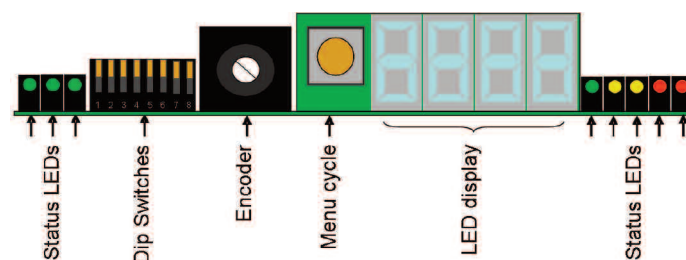
Applications

- production
- post production
- transmission

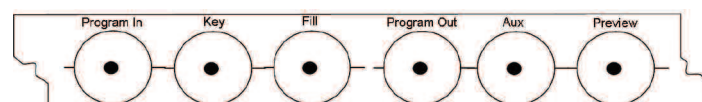
Block Diagram



Card-edge Controls



Rear module



Input

SD/HD Serial Video	SMPTE 425M (3Gb/s) SMPTE 259M (270Mb/s) SMPTE 292M (1.5Gb/s)
Standard	up to 1080p/60
Number of Inputs	3, Program, Key, Fill
Equalization	Automatic to 75m @ 1.5Gb/s with Belden 1694A or equivalent cable.
Return Loss	> 10dB up to 3Gb/s, >15dB up to 1.5Gb/s

Output

HD Serial Video	As per input
Standard	As per input
Number of Outputs	3 (1 relay bypass protected, 1 broadcast quality monitoring, 1 preview)
Signal Level	800mV nominal
DC Offset	0V \pm 0.5V
Rise and Fall Time	90ps nominal for HD 3Gb/s, 600ps nominal for SD 270Mb/s
Overshoot	< 10% of amplitude
Return Loss	> 10dB up to 3Gb/s, > 15dB up to 1.5Gb/s
Wideband Jitter	< 0.2UI

Miscellaneous

Weight Approx	175g
Operating Temp	0 °C to +50 °C ambient
Dimensions	16 x 100 x 237 mm (HxWxD)
Electrical	Voltage +5Vdc

Frames

FR1U-10	Rack mounting 1U frame with single PSU and 6 slots for Series 300 cards
FR10-20	Rack mounting 1U frame with dual PSU and 4 slots for Series 300 cards
FR3U-10	Rack mounting 3U frame with single PSU and 15 slots for Series 300 cards
FR3U-20	Rack mounting 3U frame with dual PSU and 15 slots for Series 300 cards