HD9725LG, HD9725LGA

HD/SD Logo Inserter and Media Inserter

The HD9725LG Logo Inserter system is a complete HD/SD Logo Insertion package that will key one, or many, static/animated "bugs" over an HD or SD video signal. Logos created in BMP, Tiff, TGA or WAV file formats can be imported into the Evertz® Overture™ software and transferred to the HD9725LG via Ethernet. Logos are stored in flash memory and can be quickly accessed via front panel, quick select keys, GPI inputs, automation and Overture™. With the removable Compact Flash option you can have access of up to eight Gigabytes of online logo storage space and virtually unlimited archived media storage.

The HD9725LGA Media Inserter system is a complete Logo and Audio insertion package that will key one, or many, static/animated "bugs" over an HD or SD video signal. It will also duck program audio, insert preformatted audio clips (WAV files) and voiceovers.

The HD9725LG and HD9725LGA have been designed to manage and store multiple logos. The size of each logo is variable and ranges from 1/25th to full screen. The position of the logos, fade rates, clip association and animation rates are all user–controllable.

Up to 16 logos can be keyed simultaneously with independent fade control for each logo. The onboard preview allows you to cue your logos for position and content verification prior to going "On Air". The Media Inserter Voice Over audio input allows for 1–button audio switching.

The EAS crawl support allows for connection to an existing EAS decoder. This RS–232 connection allows weekly tests (white text on green), watch alerts (white on yellow) and warnings (white on red) to be scrolled across the video with no need for format conversion. The variable height text font can be positioned anywhere on the screen and rendered with any TrueType font. A GPI can be used to insert the EAS audio on the HD9725LGA.

The HTXT option allows for the creation of custom text messages that can be displayed as crawls or fixed position fields on top of keyed graphic logos. These user–defined elements can be dynamically updated by Ethernet using the Overture™ software. Text crawls and fields retain display information such as background/foreground transparency, color, position and font while the dynamic text may be changed without recreating the associated logo graphics.

Features & Benefits

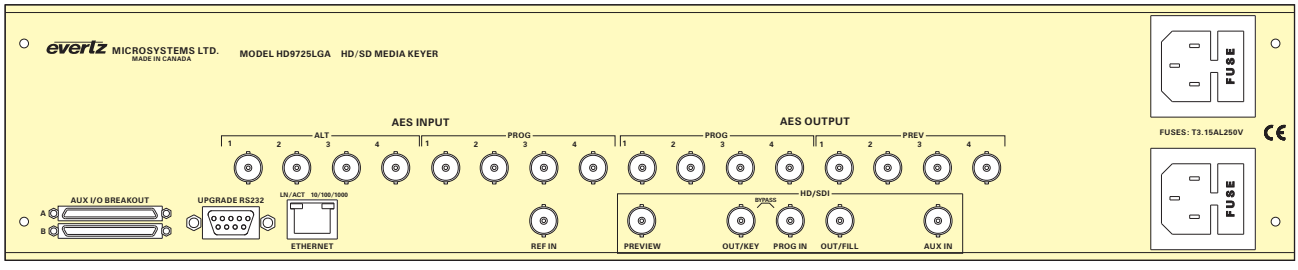
- Stores and inserts static and animated logos or media clips
- Multiple simultaneous logos can be keyed directly onto the HD or SD video signal
- Multi–layer keying
- Supports 1080i, 720p, 1035i, 1080psF, 480p, 525, and 625 formats
- Full 12–bit linear video keyer with logo fade–in and fade–out processing
- Independent control of logo position, transparency and offset
- Independent control of fade in and fade out of static logos
- Input bypass relays for power failure protection
- Automatic equalization up to 100m @ 1.5Gb/s (Belden 1694A or equivalent)
- Program and Preview outputs
- Reference to input video or color black
- Gigabit Ethernet interface
- LTC input for analog or digital “Breakfast Clocks"
- Manage logos from a standard PC using Ethernet and Overture™ software
- Standard 4GB compact flash storage with 2GB playout cache
- Optional +HTXT feature to support crawls and text teasers/snipes
- Optional 8GB internal compact flash storage
- Optional additional removable flash memory of 4GB or 8GB
- Option to increase playout cache to 8GB DRAM
- Download logos and audio clips from a standard PC using Ethernet using Evertz® Overture™ software (included)
- VistaLINK®–capable for remote monitoring and control via SNMP (using VistaLINK® PRO)
- Up to 16 logos can be keyed simultaneously, with independent fade control for each logo
- Logo position, fade rates, clip association and animation rates are all user–controllable

HD9725LGA Additional Features

- Eight AES pair inputs and eight AES pair outputs
- Full four pair audio voice over mixing for Dolby 5.1 audio
- Includes embedded audio mixing with 4 AES pair de–embedding and re-embedding for voiceover and clip inserts
- Audio bypass mode for passing Dolby–E™

EAS Option Features

- Emergency alert crawls
- Interfaces to major vendors of EAS decoders
- EAS crawl support allows for weekly tests, watch alerts and warnings to be scrolled across the video with no need for format conversion



The Complete Solution Provider

Specifications

Serial Digital Video Input:

Standard:	SMPTE ST 292–1, 1.485Gb/s SMPTE ST 259–1–C, 270Mb/s
Number of Inputs:	1
Connector:	BNC IEC 61169–8 Annex A
Equalization:	Automatic to 100m @ 1.5Gb/s with Belden 1694A or equivalent cable
Return Loss:	> 15dB up to 1.5Mb/s

Serial Digital Video Outputs:

Standard:	Same as input
Number of Outputs:	2 Program, 1 Preview
Connectors:	BNC IEC 61169–8 Annex A
Signal Level:	800mV nominal
DC Offset:	0V ±0.5V
Rise and Fall Time:	200ps nominal
Overshoot:	< 10% of amplitude
Wide Band Jitter:	< 0.2 UI

Video Reference:

Source:	Menu Selectable from Input Video or Reference Input
Type:	Auto Detect depends on video format NTSC or PAL Color Black 1V p–p, Tri–Level
Connector:	BNC IEC 61169–8 Annex A
Termination:	75Ω

AES Audio Inputs (HD9725LGA only):

Standards:	SMPTE ST 276–1 single ended AES
Number of Inputs:	4 Program, 4 Alternative
Connector:	BNC IEC 61169–8 Annex A
Sampling Rate:	48kHz
Signal Level:	1V p–p ±10%

AES Audio Outputs (HD9725LGA only):

Standards:	SMPTE ST 276–1 single ended AES
Number of Outputs:	4 Program, 4 Preview Background and voice over source assignable for each channel
Connector:	BNC IEC 61169–8 Annex A
Sampling Rate:	48kHz
Signal Level:	1V p–p
Reference:	From Video Reference

Embedded Audio (HD9725LGA only):

Standard:	SMPTE ST 299–1
De–embedder:	Groups 1 to 2 of embedded audio in video input
Embedder:	Program audio embedded to groups 1 and 2 on program video outputs Preview audio embedded to groups 1 and 2 on preview video output

LTC Reader:

Standard:	SMPTE ST 12–1
Frame Rate:	25 and 30 Fps nominal
Connectors:	3–pin female XLR type connector
Level:	0.2 to 4V p–p, balanced or unbalanced

Control:

Upgrade 232 Port:	9–pin female "D", RS–232 57600 baud, 8 bits, no parity firmware upgrade
Remote Panel Port:	9–pin female "D", RS–422 9600 baud, 8 bits, no parity Remote control panel interface (only available on RCP or DCP versions)
Serial Control Port (3 additional 4 optional):	9–pin female "D", RS–232/RS–422 8 bits, no parity, baud rate depends on protocol Selectable protocols: Automation, EAS Interface, temperature probe interface
Media Transfers:	RJ–45 1000Base T Ethernet, TCP/IP

General Purpose Inputs and Outputs:

Number of Inputs:	16 (standard) additional 16 (optional)
Number of Outputs:	8 (standard); additional 8 (optional)
Type:	Opto–isolated, active low
Connector:	Terminal block on breakout panel

Physical:

Dimensions:	
Electronics:	19" W x 3.5" H x 18.75" D (483mm W x 90mm H x 477mm D)
Rack Mount Control Panel:	19" W x 3.5" H x 4.25" D (483mm W x 90mm H x 110mm D)
Desktop Control Panel:	7.75" W x 2.0" H x 6.5" D (197mm W x 50mm H x 160mm D)

Electrical:

Power:	
Electronics:	Autoranging 100–240V AC 50/60Hz, 60VA
Optional Remote Control Panel:	12V DC 9W Autoranging 100–240V AC 50/60Hz power adapter provided
Safety:	TüV listed Complies with EU safety directive
EMI/RFI:	Complies with FCC Part 15 Class A, EU EMC Directive

Ordering Information

HD9725LG	HD/SD Logo Inserter System
HD9725LGA	HD/SD Media Inserter System

Ordering Options:

+DCP	Optional Desktop Remote Control Panel
+RCP	Optional Rack Mount Remote Control Panel
+2PS	Optional Redundant Power Supply
+HTXT	Optional Texting Features (includes crawls and text teasers)
+TP	Optional Air Temperature Probe
+E	Optional EAS Crawl Insertion (North America only)
+NAS	Optional Network Attached Storage Support
+PC8G	Optional Internal Playout Memory Expansion to 8GB DRAM
+IF8G	Optional Internal Compact Flash Memory Expansion to 8GB
+MEM8G	Optional Memory Upgrade Kit to 8GB (includes +PC8G, +IF8G, and +CF8G)

Accessories:

+CF4G	Optional External Compact Flash Expansion to 4GB (includes front panel compact flash drive)
+CF8G	Optional External Compact Flash Expansion to 8GB (includes front panel compact flash drive)
9700BHP–AUX	Optional Second Breakout Bulkhead Panel for additional GPI/O serial communication ports