

# 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 8 Gigabytes of on-line 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 voice-overs.

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 True Type 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 re-creating the associated logo graphics.



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

EAS crawl support allows for weekly tests, watch alerts and warnings to be scrolled across the video with no need for format conversion

## ► 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 512MB compact flash storage with 512MB playout cache
- Optional +HTXT feature to support crawls and text teasers/snipes
- Optional 4GB or 8GB internal compact flash storage
- Optional additional removable flash memory of 4GB or 8GB

- Option to increase playout cache to 2GB, 4GB or 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)

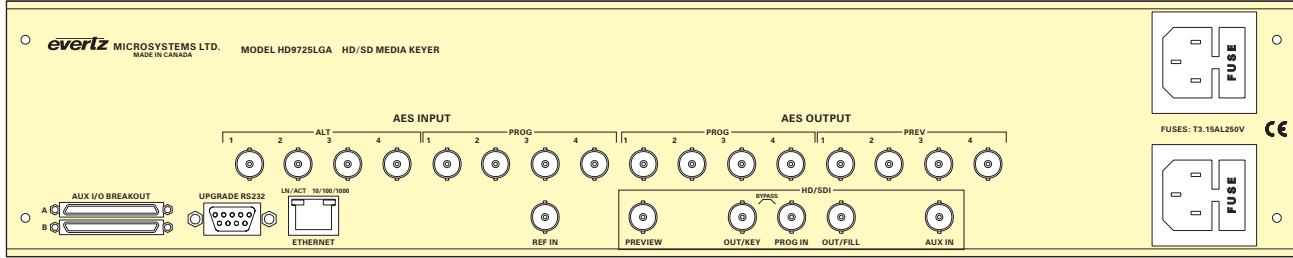
### HD9725LGA Additional Features

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

### EAS Option Features

- Emergency alert crawls
- Interfaces to major vendors of EAS decoders

### ▶HD9725LGA Rear Panel



### ▶Specifications

#### Serial Digital Video Input:

Standard: ST 292-1, 1.485Gb/s  
SMPTE 259M-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 276M 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 276M 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: 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 12M-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  
Complies with FCC Part 15 Class A, EU EMC Directive

EMI/RFI:

### ▶Ordering Information

<b>HD9725LG</b>	HD/SD Logo Inserter System
<b>HD9725LGA</b>	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

**+PC2G** Optional Internal Playout Memory Expansion to 2GB DRAM

**+PC4G** Optional Internal Playout Memory Expansion to 4GB DRAM

**+PC8G** Optional Internal Playout Memory Expansion to 8GB DRAM

**+IF2G** Optional Internal Compact Flash Memory Expansion to 2GB

**+IF4G** Optional Internal Compact Flash Memory Expansion to 4GB

**+MEM2G** Optional Memory Upgrade Kit to 2GB (includes +PC2G, +IF2G, and +CF2G)

**+MEM4G** Optional Memory Upgrade Kit to 4GB (includes +PC4G, +IF4G, and +CF4G)

#### Accessories

**+CF2G** Optional External Compact Flash Expansion to 2GB (includes front panel compact flash drive)

**+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