

7867VIPM8-DUO-3G, 7867VIPM16-DUO-3G

Advanced Monitoring Dual Output Compact Multi-Image Display Processors

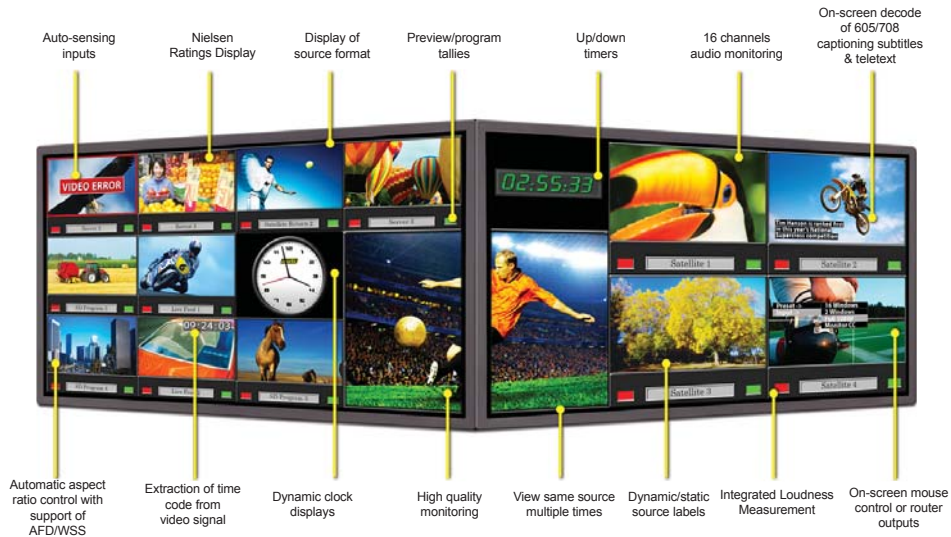


The 7867VIPM series is the latest addition to the Evertz® award winning multiviewer product line. With outstanding image quality, and an industry leading feature set, the 7867VIPM series is a powerful, compact multi-image display processor.

The VIPM series are available in two sizes: eight inputs and 16 inputs, each with up to 2 outputs. The VIPM inputs are auto-sensing composite analog, SD, HD, and 3Gb/s (SMPTE 424M). Each VIPM input can be displayed in any size, position or aspect ratio on any display. Both display outputs from the VIPM are provided over DVI and HD-SDI, which are available simultaneously. The VIPM provides the best quality input reproduction, borrowing the latest in video processing technology from Evertz® industry acclaimed conversion products.

The VIPM series is VistaLINK® -enabled offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP). The VIPM is easily configurable via the web server interface or card edge. Similar to the MVP®, layout creation can be performed in a live control environment using Evertz Maestro™ software. Other key features include automatic aspect ratio adjustment on a source-by-source basis, graticule generation, VITC/HD time code decode, and much more.

The VIPM series are hot-swappable devices, which can be populated in Evertz® widely installed 3RU 7800 multi-frame chassis with an option for redundant power supplies.



► Features & Benefits

- Accepts eight (VIPM8-DUO) or 16 (VIPM16-DUO) inputs with embedded audio
- Uses Evertz® next generation image processing technology, which is the same technology used in conversion products
- Auto-sensing composite analog, SD/HD/3G inputs
- Supports display resolutions of up to 1920x1200p on both outputs simultaneously
- Allows for full screen viewing of any input on both outputs
- Supports both DVI and HD-SDI outputs (active simultaneously)
- Provides support for dynamic under monitor displays and tallies from router and switcher
- Supports advanced on screen graphics with outstanding quality, including analog clocks, transparency control of objects, raised bezels and borders, drop shadows, and bitmap backgrounds
- Supports true type font including non-Latin alphabets
- Built-in graticule generator, user defined per window
- Enables the decoding and display of VITC/ATC (SMPTE ST 12-1, 12M-2) timecode
- Devices can be easily cascaded together to expand the total number of images on the displays
- Built-in video, audio, and data fault monitoring with on screen fault notification
- VistaLINK® -capable for configuration and monitoring via SNMP
- Minimal processing delay (one frame)
- Real time control of display outputs via Maestro™
- Decoding and burn-in of 608 and 708 captions and Teletext
- Monitoring of the full 16 channels of embedded audio per input
- Loudness monitoring per ITU 1770, ATSC A/85 and EBU R128
- Dolby® E audio monitoring with surround sound bar graph (one per input)
- 32 balanced or unbalanced, analog or AES inputs per module

► 7867VIPM Rear Panels

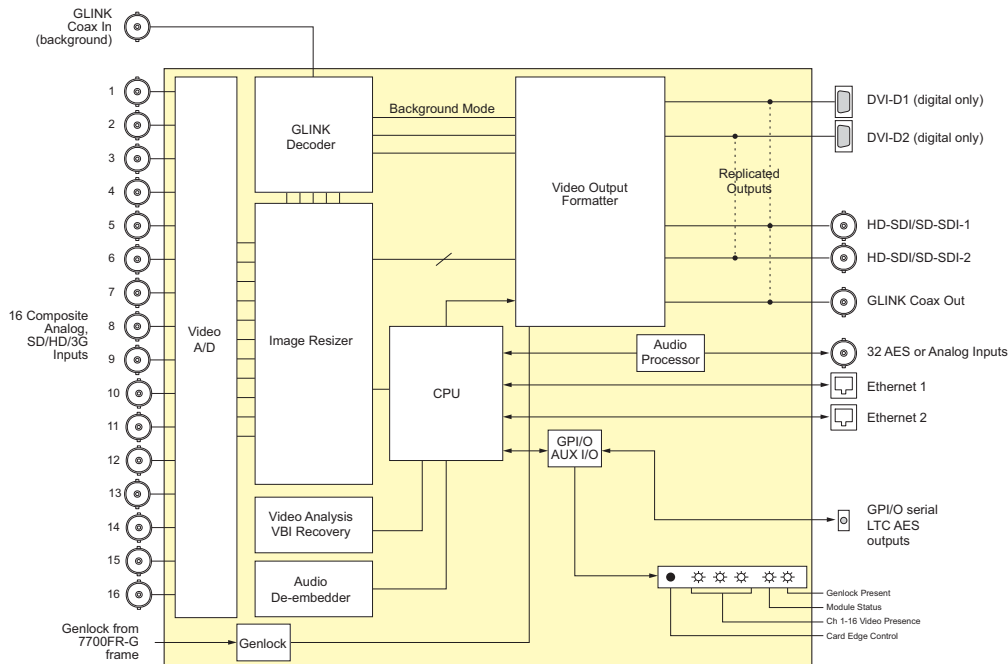


The Complete Solution Provider



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Advanced Monitoring Dual Output Compact Multi-Image Display Processors



Specifications

Serial Video Inputs:

Standard: 3Gb/s (SMPTE 424M/ 424M-AB)
 HD-SDI (SMPTE ST 292-1), and/or
 SD-SDI (SMPTE ST 259-C)
 Number of Inputs: 8 or 16
 Connector: BNC IEC 61169-8 Annex A
 Equalization: Automatic to 100m (Belden 1694A)
 Return Loss: > 15dB up to 270Mb/s
 Embedded Audio: SMPTE ST 272-A, ST 299-1

Composite Analog Video Inputs:

Standard: NTSC (SMPTE ST 170), PAL
 (ITU624-4)
 Number of Inputs: 8 or 16
 Connector: BNC IEC 61169-8 Annex A
 Signal Level: 1V nominal
 DC Offset: 0V +/- 0.1V
 Input Impedance: 75Ω
 Return Loss: 40dB up to 5MHz

Background (Computer) Video Input:

Standard: GLINK (Evertz® proprietary)
 requires video to GLINK formatter
 Number of Inputs: 1
 Connector: BNC IEC 61169-8 Annex A
 Input Resolution: 640 x 480 (VGA) to 1920 x 1200
 (WUXGA)
 Input Impedance: 75Ω

Discrete Digital AES Audio Inputs:

Standard: SMPTE 276M
 Number of Inputs: 32 AES
 Connector: SCSI (F)
 Resolution: 24-bit
 Sampling Rate: 48kHz
 Impedance: 75Ω unbalanced

Discrete Analog Audio Inputs:

Number of Inputs: 16 balanced stereo audio pairs
 Connector: SCSI (F)
 Input Impedance: 20kΩ minimum (differential)
 Sampling Freq: 48kHz
 Peak Signal and Common Mode Level: 30dBu

Display Video Output:

Standard: VESA (DVI-D) up to WUXGA
 (1920 x 1200)
 Number of Outputs: 2
 Connector: DVI-I
 Video: 1V p-p YPrPb/RGB 60Hz refresh
 Impedance: 50Ω

AES Output (Unbalanced):

Number of Outs: 2 unbalanced (pins 14, 15)
 Connector: HD-15
 Audio Format: AES-EBU

Serial Video Output:

Standard: Selectable HD/SD serial monitoring
 output (720p, 1080i, 625i, 525i)
 Number of Outputs: 2
 Connector: BNC IEC 61169-8 Annex A
 Signal Level: 800mV nominal
 DC Offset: 0V +/- 0.5V
 Rise and Fall Time:
 HD: 200ps nominal
 SD: 740ps nominal
 Overshoot: < 10% of amplitude

Genlock Input:

Type: NTSC/PAL color black
 Level: 1V p-p nominal
 Connector: Uses 7800FR frame genlock BNC

General Purpose Interface I/O (GPI/GPO):

Number of Inputs: 4 (pins 10, 11, 12, 13)
 Number of Outputs: 2 (pins 4, 9)
 Type:
 GPI: 1 Opto-isolated, active low with
 internal pull-ups to +5V
 GPO: 1 Relay closure to ground
 Closure to ground
 Connector: HD-15

Input/Output Serial Port:

Number of Ports: 1 RS-232 (pins 6, 7) or 1 RS-422
 (pins 1, 2, 6, 7)
 Connector: HD-15
 Baud Rate: Up to 1Mbaud
 Format: Configurable for various UMD
 interfaces

Ethernet:

Network Type: Fast Ethernet 100 Base-TX 1EEE
 802.3U standard for 100Mbps base
 band CSMA/CD local area network
 RJ-45 x2
 Connector:

Electrical:

Voltage: +12V DC
 Power:
 VIPM8-DUO: 72W
 VIPM16-DUO: 110W
 EMI/RFI: Complies with FCC Part 15, Class A
 EU EMC Directive

Physical (number of slots):

VIPM8-DUO: 4
 VIPM16-DUO: 5

Ordering Information

7867VIPM8-DUO-3G 8 inputs auto-sensing analog, SD/HD/3G, dual display output
7867VIPM16-DUO-3G 16 inputs auto-sensing analog, SD/HD/3G, dual display output

2430RX-2
DVI-EXT-PKG-SC
7800TM2-XIO-3G

Dual Path Serial Digital to DVI Converter
 Single Fiber DVI extension solution
 Dual time Code Processor with GPIO and serial I/O

Ordering Options

+BHPU Unbalanced AES audio breakout panel for VIPM
+BHPB Balanced AES or analog audio breakout panel for VIPM (one
 panel can connect to two VIPM's)
+DL Replaces two outputs with single Dual LINK DVI output,
 Resolution support up to 2560x1600 Ultra High Resolution
7767RGBT-VIP-3G RGBHV/DVI +2 Analog Audio Coax Transmitter

Rear Plate Suffix
+3RU

3RU Rear Plate for use with 7800FR Multiframe

Enclosures
7800FR
7800FR-QT

3RU Multiframe which holds up to 15 single slot modules
 3RU Quiet Multiframe which holds up to 15 single slot modules