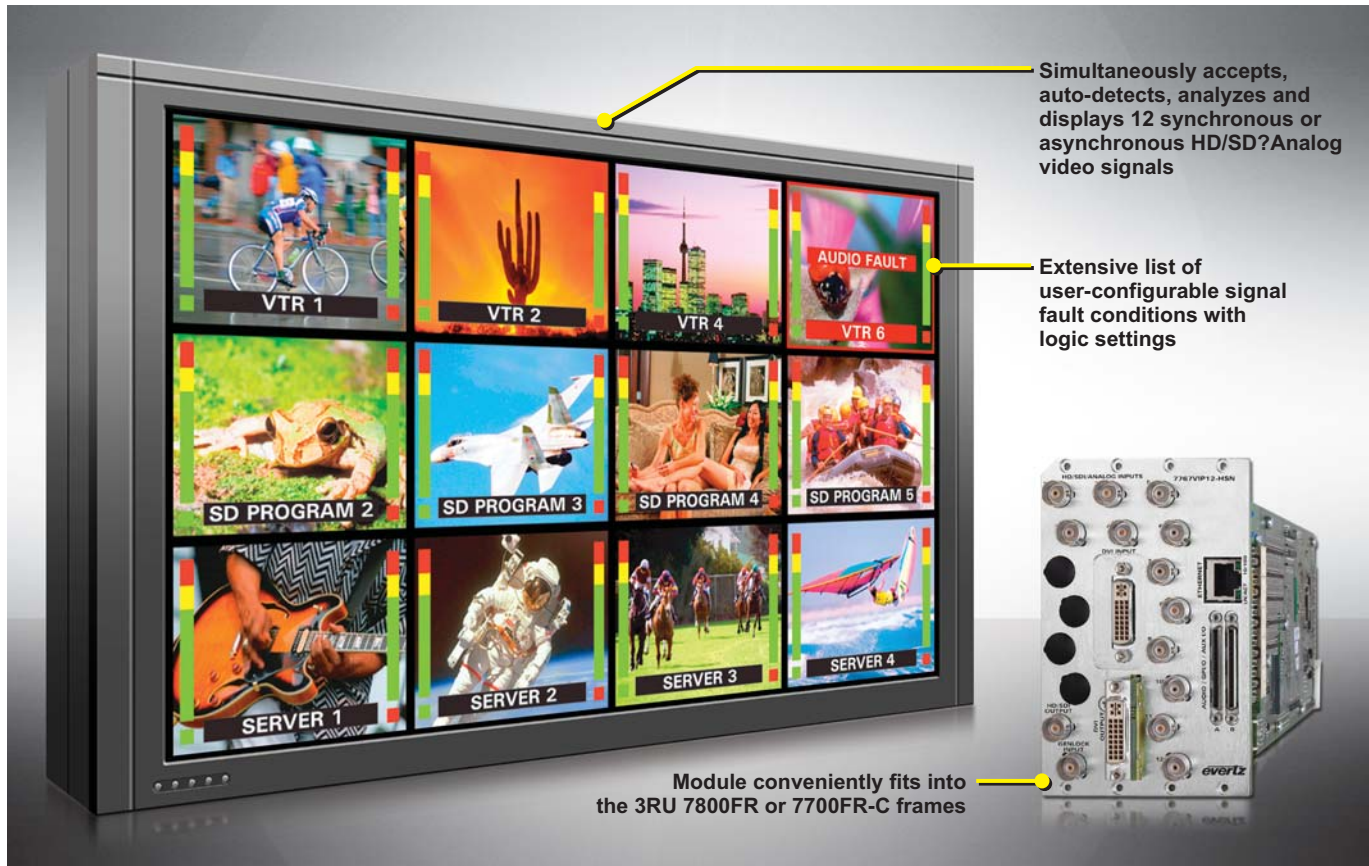


7767VIP12-HSN, 7767VIP12-HSN-G and 7767VIP12-SN

VIP™ Twelve Input Video Monitoring & Display

The 7767VIP12 signal monitoring module simultaneously accepts, auto-detects, analyzes and displays twelve synchronous or asynchronous HD/SD/Analog video signals. Ultimately displaying up to WUXGA (1920x1200) resolution, the 7767VIP12 module fits conveniently into Evertz® universally installed 7800FR frame, and provides a cost-effective & space-efficient signal monitoring & display solution.

The 7767VIP12 module is VistaLINK® -capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP). This product feature offers another solution to manage operations including signal monitoring and module configuration from SNMP -capable control systems (Manager or NMS) locally or remotely.



►Features & Benefits

Video Inputs

- Twelve auto-sensing HD/SD/analog video inputs
- Accepts either 4:3 or 16:9
- Auto-detects 525/625 format SD inputs (single frame rate conversion)
- Computer graphic input (DVI-I up to UXGA resolution) source is used for background display or for cascading multiple VIP™ modules together. Also can be used in place of the last video input as a scaled source.

Audio Inputs

- Handles embedded or unbalanced AES/EBU, and balanced analog audio (up to 48 AES and 12 L/R) via break-out panel
- VU/PPM level indicators

Video Output

- One DVI-I output - Drive a single DVI-D and a single RGBHV (VGA-type) display simultaneously with the same content up to WUXGA (1920x1200 resolution)
- One selectable HD/SD serial digital (BNC) video output, also carrying same content as DVI-I output or select from input
- Minimal processing delay (~1 frame)
- Optional fiber output (-G option)
- Optional support for "portrait" display via 2430GDAC-WARP
- Thumbnails of any or all selected inputs to VistaLINK® PRO Thumbnail Server (or equivalent)

Graphics

- User-configurable tally indicators and configurable UMD static and/or dynamically updated text, background colors
- User-configurable borders
- LTC input drives digital clock display
- Count-up or down timer displays (GPI triggered)

Signal Monitoring

- Extensive list of user-configurable signal fault conditions with "logic" settings
- On-screen messages triggered by fault conditions
- Detects frozen video (patent pending) and black video
- User-configurable fault condition alert messages per video input with configurable background colors, opacities, thresholds and duration settings
- Closed caption presence detection

Auxiliary Inputs

- RS-232/422 communication port Interface to common UMD protocols
- TSL, Image Video
- 20 assignable general purpose inputs, 8 general purpose outputs

Physical

- Number of slots - 4
- Genlock reference loop input for proper timing - 1 NTSC/PAL
- Fast power-cycle time (< 30 seconds)

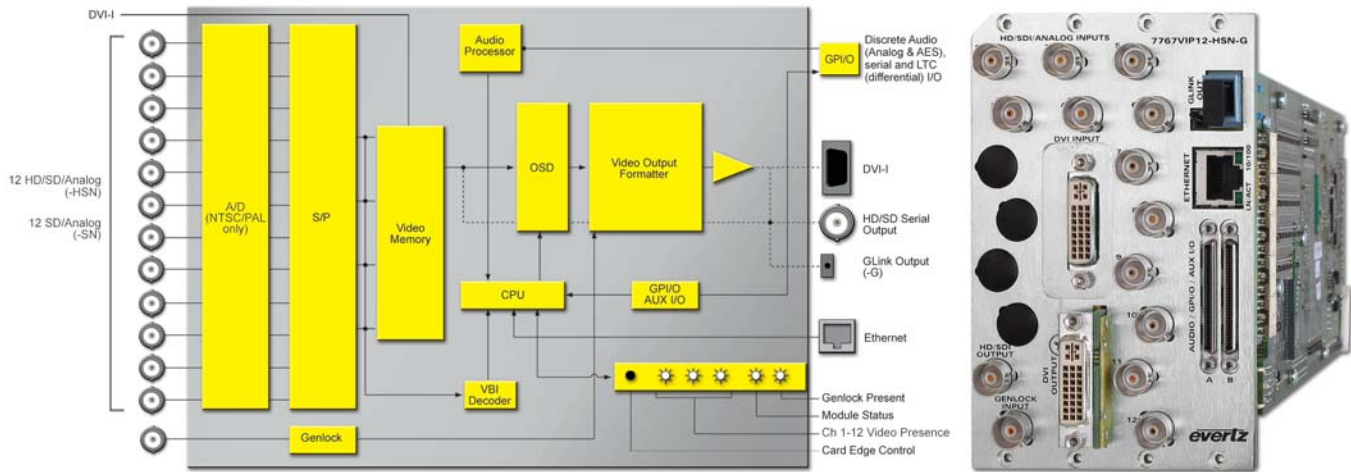
Network Management

- Built-in VistaLINK® support for remote monitoring and control via SNMP (using VistaLINK® PRO)
- The 7767VIP module does not require a 7700FC VistaLINK® Frame Controller
- A direct Ethernet connection to the network for VistaLINK® operations must be provided by user
- Screen configurations via Maestro-VIP™ GUI software (included)
- Web browser interface allows for simple configuration without the need for additional software

7767VIP12-HSN, 7767VIP12-HSN-G and 7767VIP12-SN

VIP™ Twelve Input Video Monitoring & Display

► 7767VIP12 Block Diagram & Rear Panel



► Specifications

Digital Video Inputs:

Standard: HD-SDI (SMPTE 292M), and/or SD-SDI (SMPTE 255M-C)
 Number of Inputs: 12
 Connector: BNC IEC 61169-8 Annex A
 Equalization: Automatic to 100m (Belden 1694A)
 Return Loss: > 15dB up to 270Mb/s
 Embedded Audio: SMPTE 272M-A, SMPTE 299M

Composite Analog Video Inputs:

Standard: NTSC (SMPTE 170M), PAL (ITU624-4)
 Number of Inputs: 12
 Connector: BNC IEC 61169-8 Annex A
 Signal Level: 1V nominal
 DC Offset: 0V $\pm$ 0.1V
 Input Impedance: 75 Ω
 Return Loss: 40dB up to 5MHz

Background (Computer) Video Input:

Standard: Auto-detecting, VESA (DVI-I, for DVI and RGBHV inputs)
 Number of Inputs: 1
 Connector: DVI-I (Female)
 Input Resolution: 640x480 (VGA) to 1600x1200 (UXGA)
 Signal Level: 1V nominal

Discrete Digital AES Audio Inputs:

Standard: SMPTE 276M
 Number of Inputs: 4 AES per video input
 Connector: Dual SCSI (F) with BHP
 Resolution: 24-bit
 Sampling Rate: 48kHz
 Impedance: 75 Ω unbalanced

Discrete Analog Audio Inputs:

Number of Inputs: 12 balanced stereo audio pairs
 Connector: Dual SCSI (F) with BHP
 Input Impedance: 20 k Ω minimum (differential)
 Sampling Frequency: 48kHz
 Peak Signal and Common Mode Level: 30dBu

Display Video Output:

Standard: VESA (DVI-I) up to WUXGA (1920x1200)
 Number of Outputs: 1
 Connector: DVI (with DVI to RGBHV Adapter)
 Video: 1V p-p RGB or 0.7V p-p VGA, 60Hz refresh
 Impedance: 75 Ω

Serial Video Output:

Standard: Selectable HD/SD serial monitoring output (720p, 1080i, 625i, 525i)
 Number of Outputs: 1
 Connector: BNC IEC 61169-8 Annex A
 Signal Level: 800mV nominal
 DC Offset: 0V $\pm$ 0.5V
 Rise & Fall Time: 200ps nominal (HD), 740ps nominal (SD)
 Overshoot: < 10% of amplitude

Genlock Input:

Type: NTSC/PAL color black
 Level: 1V p-p nominal
 Connector: BNC IEC 61169-8 Annex A

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

Type: GPI: 20 Opto-isolated, active low with internal pull-ups to +5V
 GPO: 8 Relay closure to ground
 Connector: Breakout panel TBlocks via SCSI connection to dual SCSI (F)
 Input Signal: Closure to ground

Data Input/Output Serial Port:

Number of Ports: 1 RS-232 or 1 -422
 Connector: Breakout panel TBlocks via SCSI connection to dual SCSI (F)
 Baud Rate: Up to 1Mbaud
 Format: Configurable for various UMD interfaces

Ethernet:

Network Type: Fast Ethernet 100 Base-TX IEEE 802.3U standard for 100Mb/s baseband CSMA/CD local area network
 Connector: RJ-45

Electrical:

Voltage: +12V DC
 Power: < 50W
 Safety: CSA Listed, complies with EU safety directives
 EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive

Physical:

350FR: 4
 7700FR-C: 4
 7800FR: 4

► Ordering Information

7767VIP12-HSN	Up to twelve asynchronous HD/SD/NTSC/PAL inputs with embedded audio, one background DVI-I (DVI-D or RGBHV with adapter) input. Single DVI-I (DVI-D or RGBHV with adapter) or one serial monitor output. Includes VistaLINK® VLPRO-C software configuration tool, GPI/O break-out panel (BHP-AUX) and Maestro-VIP™ display layout GUI.
7767VIP12-HSN-G	Up to twelve asynchronous SD/NTSC/PAL inputs with embedded audio, one background DVI-I (DVI-D or RGBHV with adapter) input. Single DVI-I (DVI-D or RGBHV with adapter) or one serial monitor output. Includes VistaLINK® VLPRO-C software configuration tool, GPI/O break-out panel (BHP-AUX) and Maestro-VIP™ display layout GUI.
7767VIP12-SN	Up to eight asynchronous SD/NTSC/PAL inputs with embedded audio, one background DVI-I (DVI-I or RGBHV with adapter) input. Single DVI-I (DVI-D or RGBHV with adapter) or one serial monitor output. Includes VistaLINK® VLPRO-C software configuration tool, GPI/O break-out panel (BHP-AUX) and Maestro-VIP™ display layout GUI.

Ordering Options

Rear Plate must be specified at time of order
 Eg: Model +3RU

Rear Plate Suffix +3RU

3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe

Accessories

2430GDAC 2430GDAC-WARP

GLink to DVI converter (extender requires -G module)
 GLink to DVI converter (extender and portrait mode display, requires -G module)

7767VIP-AI-U

Discrete unbalanced AES/EBU audio input (4 AES per video input) support with breakout panel

7767VIP-AI-BAL 3000MKT-AUX

Discrete balanced analog audio input support with breakout panel
 Dual BHP-AUX auxiliary GPI/O and serial break-out panel rack mounting kit

Enclosures

350FR 7700FR-C 7800FR

3RU Portable Multiframe which holds up to 7 single slot modules
 3RU Multiframe which holds up to 15 single slot modules
 3RU Multiframe which holds up to 15 single slot modules