

# 7867VIPA8, A16, A18, A24, A32-DUO-HS/3G

## Advanced "DUO" Quattro™ Output Compact Multi-Image Display Processors



The VIP Advanced DUO is the most advanced compact multi-image display processor technology available. It supports up to 3Gb/s SDI inputs and up to two unique display outputs. The VIP-A DUO takes compact multi-image display to the next level.

The VIP Advanced DUO series are available in five sizes: eight inputs, 16 inputs, 18 inputs, 24 inputs and 32 inputs each with up to two outputs. The VIP-A-DUO inputs are auto-sensing SD, HD, and 3Gb/s (SMPTE ST 424). Each VIP-A-DUO input can be displayed in any size, position or aspect ratio on any display. Both display outputs from the VIP-A-DUO are provided over DVI and HD-SDI, which are available simultaneously. The VIP-A-DUO provides the best quality input reproduction, borrowing the latest in video processing technology from Evertz® industry acclaimed conversion products.

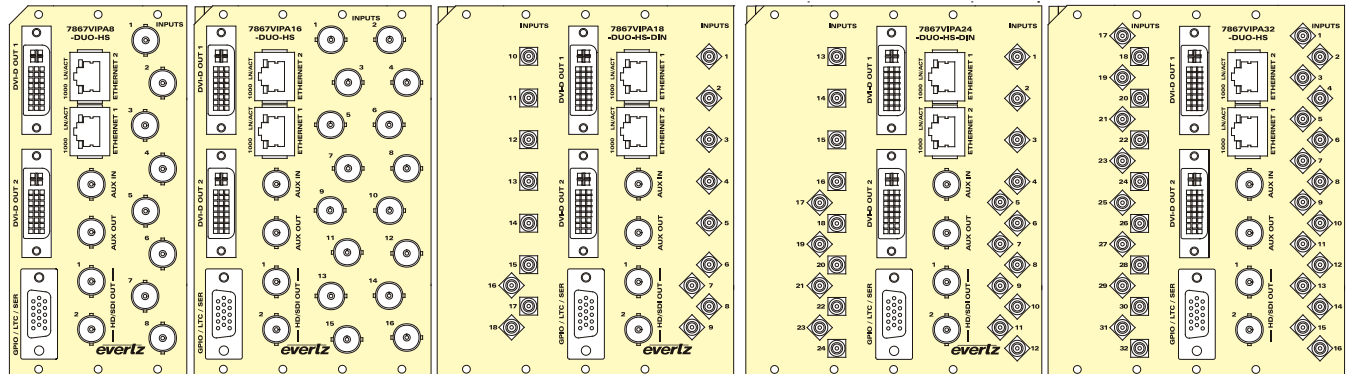
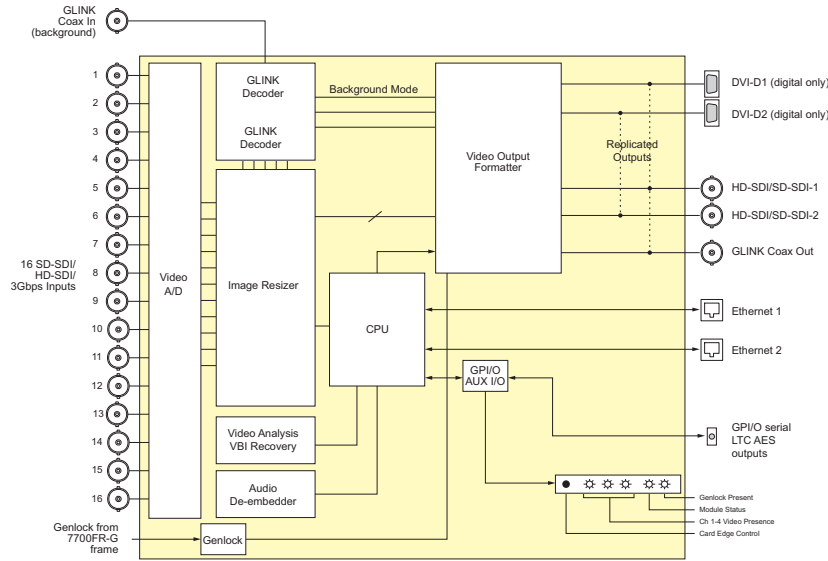
### ► Features & Benefits

- Accepts 8 (VIPA8-DUO), 16 (VIPA16-DUO), 18 (VIPA18-DUO), 24 (VIPA24-DUO) or 32 (VIPA32-DUO) inputs with embedded audio
- Uses Evertz® next generation image processing technology, which is the same technology used in conversion products
- Auto-sensing HD/SD and 3Gbps (SMPTE ST 424) inputs (3G version)
- 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, including analog clocks, transparency control of objects, raised bezels and borders, drop shadows, and bitmap backgrounds

The VIPA-DUO 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.

The VIPA DUO series are VistaLINK® -capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP). The VIPA-DUO 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.

- 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, SMPTE ST 12-2) 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 (1 frame)
- Real time control of display outputs via Maestro™
- On-screen display of level and phase bars (8 channels)



The Complete Solution Provider



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## Advanced “DUO” Quattro™ Output Compact Multi-Image Display Processors



### Signal Monitoring

Seeing is believing, but with so many video, audio and data details to look for, it's nice to know that user-configurable faults are detected and displayed by the 7867VIPA series and can be further reported to and recorded by VistaLINK PRO. Along with VistaLINK Evertz provides the most comprehensive signal monitoring and image display solution.

### Status Monitoring & Fault Trigger Parameters

- Loss of Video
- Active picture levels
- Frozen video
- Black video
- Motion detection
- Video format detection
- Loss of audio channels
- Mono audio detection
- Phase reversal
- Audio too loud or too quiet
- Loss of closed captioning
- Loss of closed captioning waveform
- Source ID missing

### Specifications

<b>Serial Video Inputs:</b> Standard: 3Gb/s (SMPTE ST 424, SMPTE ST 424) HD-SDI (SMPTE ST 292-1), and/or SD-SDI (SMPTE ST 259-1) Number of Inputs: 8, 16, 18, 24 or 32 Connector: BNC IEC 61169-8 Annex A Equalization: Automatic to 100m (Belden 1694A) Return Loss: > 15dB up to 270Mb/s Embedded Audio: SMPTE ST 272-1-A, SMPTE ST 299-1	<b>Serial Video Output:</b> 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	<b>Ethernet:</b> Network Type: Fast Ethernet 100 Base-TX 1EEE 802.3U standard for 100Mbps base band CSMA/CD local area network Connector: RJ-45 x2 <b>Electrical:</b> Voltage: +12V DC <b>Power:</b> VIPA8-DUO: 68W VIPA16-DUO: 72W VIPA16-DUO-DIN: 72W VIPA18-DUO-DIN: 110W VIPA24-DUO-DIN: 110W VIPA32-DUO-DIN: 110W EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive
<b>Background (Computer) Video Input:</b> Standard: GLINK (Evertz® proprietary) requires video to GLINK formatter (ie. 7707RGBT-GC) Number of Inputs: 1 Connector: BNC IEC 61169-8 Annex A Input Resolution: 640x480 (VGA) to 1600x1200 (UXGA) Input Impedance: 75Ω	<b>Genlock Input:</b> Type: NTSC/PAL color black Level: 1V p-p nominal Connector: Uses 7800FR frame genlock BNC <b>General Purpose Interface I/O (GPI/GPO):</b> 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 Input Signal: Closure to ground Connector: HD-15	<b>Physical (number of slots):</b> VIPA8-DUO: 3 VIPA16-DUO: 4 VIPA16-DUO-DIN: 3 VIPA18-DUO-DIN: 5 VIPA24-DUO-DIN: 5 VIPA32-DUO-DIN: 5
<b>Display Video Output:</b> Standard: VESA (DVI-D) up to WUXGA (1920x1200) Number of Outputs: 2 Connector: DVI-I Video: 1V p-p YPrPb/RGB 60Hz refresh Impedance: 50Ω	<b>Input/Output Serial Port:</b> 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	
<b>AES Output (unbalanced):</b> Number of outs: 2 unbalanced (pins 14, 15) Connector: HD-15 Audio format: AES-EBU		

### Ordering Information

<b>7867VIPA8-DUO-3G</b> 8 inputs auto-sensing Quattro™, HD, SD, 3Gb/s; dual display output <b>7867VIPA8-DUO-HS</b> 8 inputs auto-sensing Quattro™, HD, SD; dual display output <b>7867VIPA16-DUO-3G</b> 16 inputs auto-sensing HD, SD, 3Gb/s; dual display output <b>7867VIPA16-DUO-HS</b> 16 inputs auto-sensing HD, SD; dual display output <b>7867VIPA16-DUO-HS-DIN</b> 16 inputs auto-sensing HD, SD; dual display output, uses DIN connectors <b>7867VIPA18-DUO-3G-DIN</b> 18 inputs auto-sensing HD, SD, 3Gb/s; dual display output <b>7867VIPA18-DUO-HS-DIN</b> 18 inputs auto-sensing HD, SD; dual display output <b>7867VIPA18-DUO-HS-DIN</b> 18 inputs auto-sensing HD, SD; dual display output <b>7867VIPA24-DUO-3G-DIN</b> 24 inputs auto-sensing HD, SD, 3Gb/s; dual display output <b>7867VIPA24-DUO-HS-DIN</b> 24 inputs auto-sensing HD, SD; dual display output connectors <b>7867VIPA32-DUO-3G-DIN</b> 32 inputs auto-sensing HD, SD, dual output, uses DIN <b>7867VIPA32-DUO-HS-DIN</b> 32 inputs auto-sensing HD, SD, dual output, uses DIN	<b>Ordering Options</b> Rear Plate must be specified at time of order (Eg. Model +3RU) <b>7767RGBT-VIP-3G 2430RX-2</b> RGBHV/DVI +2 Analog Audio Coax Transmitter Dual Path Serial Digital to DVI Converter (includes support for rotated displays) <b>DVI-EXT-PKG-SC +DL</b> Single Fiber DVI extension solution Replaces two outputs with single Dual LINK DVI output, resolution support up to 2560x1600 Ultra High Resolution Closed Caption (EIA-608/EIA-708), Subtitle (WST/OP42/OP47), and XDS support <b>+CSX</b> <b>Rear Plate Suffix +3RU</b> 3RU Rear Plate for use with 7800FR Multiframe <b>Enclosures 7800FR</b> 3RU Multiframe which holds up to 15 single slot modules
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