

7867VIPA8, A16, A18, A24 and VIPA32-DUO-HS/3G

Advanced "DUO" 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: 8 inputs, 16 inputs, 18 inputs, 24 inputs and 32 inputs each with up to 2 outputs. The VIP-A-DUO inputs are auto-sensing SD, HD, and 3Gb/s (SMPTE 424M). 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.

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.

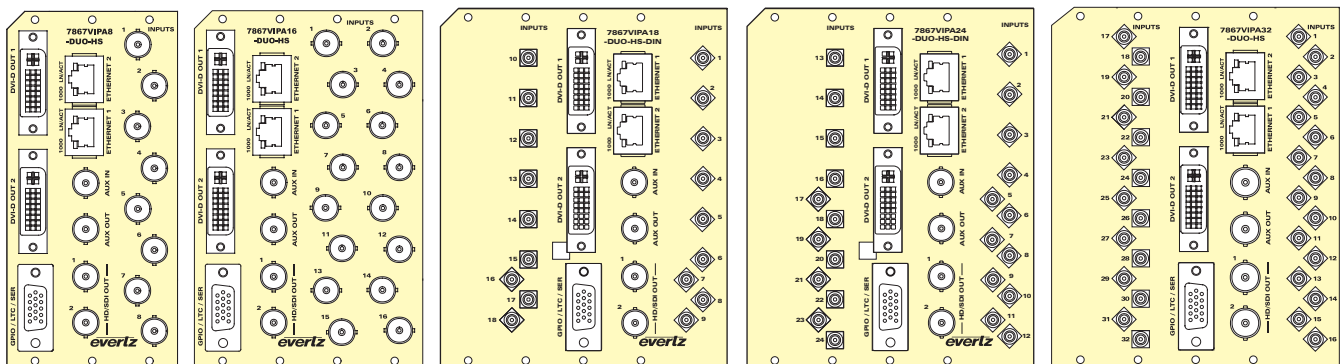
The VIPA DUO series are VistaLINK® -capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP). The VIPA-DUO is easily configurable via the web server interface or card edge. Similar to the MVP®, layout creation can be performed in a live 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.



►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 424M) 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
- 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 12M-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 (1 frame)
- Real time control of display outputs via Maestro™

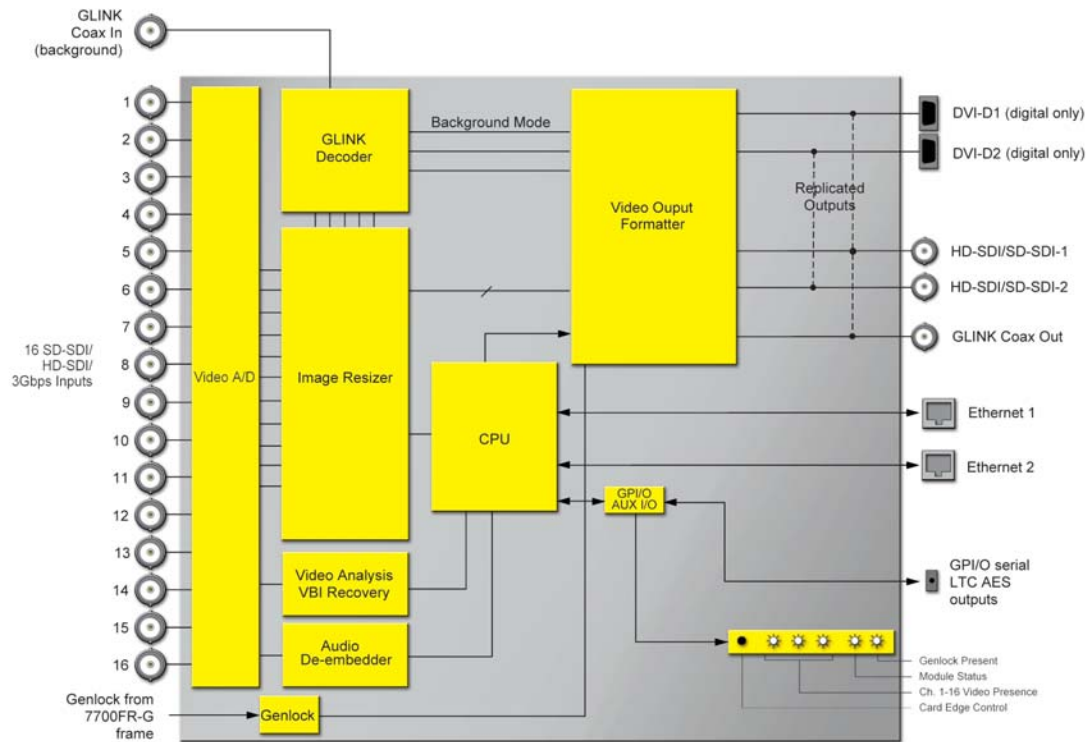
►7867VIPA8, 16, 18, 24 & 32-DUO-HSN Rear Panels



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Advanced "DUO" Output Compact Multi-Image Display Processors

►7867VIPA16-DUO-3G Block Diagram



►Specifications

Serial Video Inputs: Standard: 3Gb/s (SMPTE 424M/424M-AB) HD-SDI (SMPTE 292M), and/or SD-SDI (SMPTE259M-C) 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 272M-A, SMPTE 299M	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: 200ps nominal (HD) 740ps nominal (SD) Overshoot: < 10% of amplitude	Baud Rate: Up to 1Mbaud Format: Configurable for various UMD interfaces
Background (Computer) Video Input: 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	Genlock Input: Type: NTSC/PAL color black Level: 1V p-p nominal Connector: Uses 7800FR frame genlock BNC	Ethernet: Network Type: Fast Ethernet 100 Base-TX 1EEE 802.3U standard for 100Mbps base band CSMA/CD local area network RJ-45 x2 Electrical: Voltage: +12V DC Power: 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
Display Video Output: 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	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 Input Signal: Closure to ground Connector: HD-15	Physical: Number of Slots: 3 (VIPA8-DUO) 4 (VIPA16-DUO) 3 (VIPA16-DUO-DIN) 5 (VIPA18-DUO-DIN) 5 (VIPA24-DUO-DIN) 5 (VIPA32-DUO-DIN)
AES Output (unbalanced): Number of outs: 2 unbalanced (pins 14, 15) Connector: HD-15 Audio format: AES-EBU	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	

►Ordering Information

7867VIPA8-DUO-3G	8 inputs auto-sensing HD, SD, 3Gb/s; dual display output
7867VIPA8-DUO-HS	8 inputs auto-sensing HD, SD; dual display output
7867VIPA16-DUO-3G	16 inputs auto-sensing HD, SD, 3Gb/s; dual display output
7867VIPA16-DUO-HS	16 inputs auto-sensing HD, SD; dual display output
7867VIPA16-DUO-HS-DIN	16 inputs auto-sensing HD, SD; dual display output, uses DIN connectors
7867VIPA18-DUO-3G-DIN	18 inputs auto-sensing HD, SD, 3Gb/s; dual display output
7867VIPA18-DUO-HS-DIN	18 inputs auto-sensing HD, SD; dual display output
7867VIPA18-DUO-HS-DIN	18 inputs auto-sensing HD, SD, dual output, uses DIN
7867VIPA24-DUO-3G-DIN	24 inputs auto-sensing HD, SD, 3Gb/s; dual display output
7867VIPA24-DUO-HS-DIN	24 inputs auto-sensing HD, SD; dual display output connectors
7867VIPA32-DUO-3G-DIN	32 inputs auto-sensing HD, SD, dual output, uses DIN
7867VIPA32-DUO-HS-DIN	32 inputs auto-sensing HD, SD, dual output, uses DIN

Ordering Options

7767RGBT-VIP-3G
2430GDAC-WARP

DVI-EXT-PKG-SC +DL

+CSX

Rear Plate Suffix +3RU

Enclosures 7800FR

RGBHV/DVI +2 Analog Audio Coax Transmitter
GLink to DVI converter with WARP (provides landscape to portrait display orientation conversion support)
Single Fiber DVI extension solution
Replaces two outputs with single Dual LINK DVI output, resolution support up to 2560x1600 Ultra High Resolution

Closed Caption (608/708), Subtitle (WST/OP42/OP47), and XDS support

3RU Rear Plate for use with 7800FR Multiframe

3RU Multiframe which holds up to 15 single slot modules