

# 3067VIPX–HW–A

## Next Generation QUAD Output, 16/32 Inputs Compact Multi–Image Display Processors

3067VIPX–HW–A is the most advanced high density multi–image display processor technology available. It supports SD, HD and 3G/s SDI inputs and up to 4 unique display outputs. 3067VIPX–HW–A offers seamless UHD input (no visible quadrant) monitoring and natively drives UHD displays. Each 3067VIPX–HW–A input can be displayed in any size, position or aspect ratio on any display. The 3067VIPX–HW–A provides the best quality input reproduction; it leverages same video processing technology as Evertz conversion products.

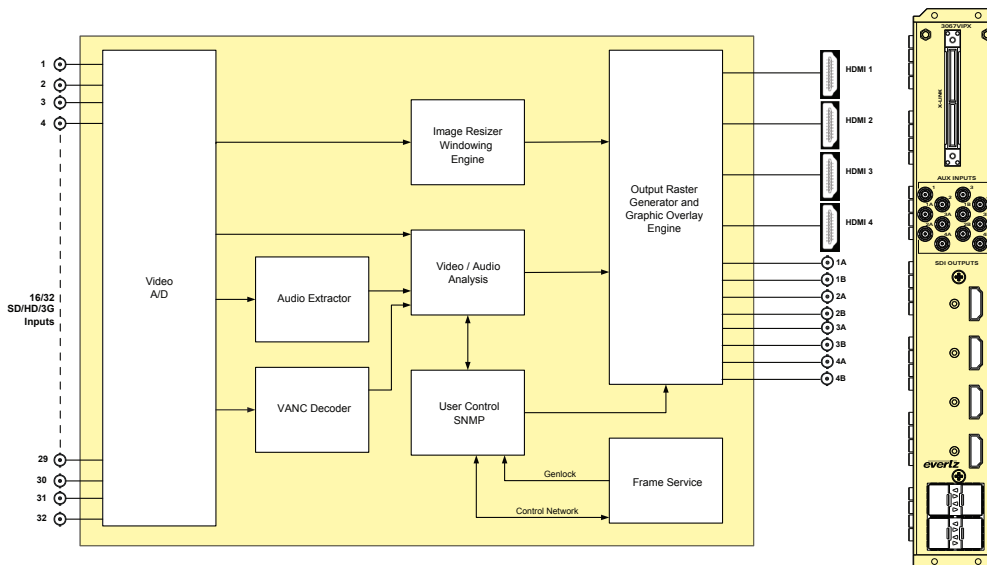
The 3067VIPX–HW–A is a hot–swappable device, which can reside in any Evertz EMX series frame available in 1RU, 3RU and 6RU, with optional

redundant power supplies. This allows high density I/O count per RU. 3067VIPX–HW–A is X–LINK enabled which allows easy installation with Evertz Xenon and EQX series routers via high density X–LINK cables.

The 3067VIPX–HW–A is VistaLink enabled offering remote monitoring, control and configuration capabilities via SNMP. The 3067VIPX–HW–A is easily configurable via the web interface. Layout can be designed in a live control environment using a VUE–WEB (web browser). Key features include automatic aspect ratio adjustment per source basis, graticule generation, VITC/HD time code decode, cc decode and burn–in and more.

### ►Features & Benefits

- Accepts 16 or 32 inputs with embedded audio
- Auto sensing SD, HD and 3Gbps inputs
- Supports up to x8 UHD inputs simultaneously
- Supports dual UHD (3840x2160) outputs or quad outputs up to 1920x1200 resolution
- Best image quality in industry
- Allows for fullscreen viewing of any input on any output
- Support for dynamic under monitoring displays (UMD) and tallies from router and switcher
- Supports advanced on screen graphics, including analog clock, transparency control of objects, raised bezels and borders, custom background, custom logo per display
- Supports up to 3 TrueType fonts 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) time code
- Audio, video and data fault monitoring with on screen fault notification
- Vistalink capable for configuration and monitoring via SNMP
- One frame processing delay
- Real time control of display output via web–based layout design tool (VUE–WEB)
- Decoding and burn–in of 608 and 708 captions as well as Teletext
- Monitoring of the full 16 channels of embedded audio per input
- Loudness monitoring per ITU 1770, ATSC A/85 and EBU R 128
- Dolby E audio monitoring with surround sound bar graph (one per input)



### ►Specifications

#### Serial Video Inputs:

Standards: 3Gb/s (SMPTE 424M/ 424M–AB)  
HD–SDI (SMPTE ST 292–1),  
and/or SD–SDI (SMPTE ST 259–C)

Number of Inputs: 16 or 32

Connector: X–Link

Return loss: >15dB up to 270Mb/s

Embedded Audio: SMPTE ST 272–A, ST 299–1

#### Display Video Output:

Standard: HDMI 2.0 resolution up to  
quad 1920x1200 or  
dual UHD (3840x2160)

Number of outputs: 4

Connector: HDMI

#### Serial Video Output:

Standard: 3G/HD/SD best fit based on  
resolution selected  
(3G, 1080i, 720P, 625, 525,  
supports dual UHD outputs  
Square Division or 2SI)

Number of outputs: 8 (maximum 4 unique outputs)

Connector: Mini Din 1.0/2.3 connector

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 EMX6–FR, EMX3–FR or  
EMX1–FR 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 via Frame Controller

#### Connector:

#### Electrical:

Voltage: +12V DC

Power: 130 WATTS

EMI/RFI: Complies with FCC Part 15, Class A  
EU EMC Directive

Physical (number of slots): 2

### ►Ordering Information

3067VIPX–HW–A Multi–Image Display Processor Hardware

#### Ordering Options:

##### Input & Output Options

+16x4 License key to enable 16 SD, HD, 3G auto sensing input to  
quad mosaic output at 1920x1200 or dual UHD output

+32x4 License key to enable 32 SD, HD, 3G auto sensing input to  
quad mosaic output at 1920x1200 or dual UHD output

#### Monitoring Options:

+SM Audio level, fault monitoring for audio and video

+MCR Dolby E monitoring, Loudness monitoring, CC/Teletext,  
VANC data monitoring.