VIP-X
Control Room Routing Platform and Modular Multi-Image Display System

The Complete Control Room Solution

featuring ECLIPSE
The VIP-X simultaneously addresses two common challenges by combining a functional and highly reliable routing platform with a modular multi-image display system in one integrated package. Building your next control room will be simple using VIP-X, as it enables two complex items in the control room to function as a single system.

**The Complete Control Room Solution**

The VIP-X eliminates system complexity, saves space and is more economical compared to the traditional autonomous solutions. The VIP-X can be tailored for all control room signals and budget requirements.

It is available in several package sizes, from a 32 input system with up to 32 router outputs and as many as 24 multi-image displays, up to larger systems that accommodate up to 288 inputs and 288 router outputs and as many as 72 multi-image displays.

**Highest Quality Image Reproduction**

The VIP-X multi-image display modules use the latest scaling technology. The technology is Evertz’ proprietary and borrowed from our industry renowned up/down conversion products.

The engine does not use image enhancement tricks to try and artificially enhance the input quality; it applies a single pass high quality scaling algorithm which provides the highest quality reproduction of the source content.

**Any Input, Any Output, Any Display, Any Size...**

The VIP-X continues Evertz’ tradition of truly flexible multi-image display systems. Each input in the system can be displayed any number of times at any size, without compromise.

Sysytems of any size offer this flexibility - even the largest VIP-X system allows any input to be displayed on each & every display at a unique size.

**The Largest System in the Industry**

The VIP-X offers the largest system footprint in the industry. With inputs in the thousands, and display outputs in the hundreds, it is guaranteed to meet the largest facility requirements without compromise or blocking restrictions.
The big difference between the VIP-X and other multi-image display systems is that at the foundation is a purpose-built routing platform. VIP-X can be used to satisfy the routing and multi-viewer components for any project, without compromise to the router or multi-viewer size or functionality. The solution is perfect for anywhere needing high quality image display.

**Complete Facility Solution**

The VIP-X is the complete solution for your next control room or, better yet, your facility. Offering both a complete facility routing platform and industry-leading multi-image display technology in a single modular package, no control room or facility is too small. The advantage of the VIP-X is that none of the outputs from the router are wasted.

**Industry Standard User-Interface**

The VIP-X multi-image display outputs are controlled using Maestro™ software. Evertz’ industry standard graphical interface, Maestro™ is now installed in over 1000 locations world-wide, and has been used by tens of thousands of operators in the industry. In fact, MVP™ layouts can be loaded on VIP-X displays, and VIP-X layouts on the MVP™ as well.

Through its use of simple drag-and-drop control, Maestro™ is simple to use and easy to learn. To simplify the control of VIP-X further, Evertz® has added on-screen mouse & keyboard control via the CP-2200E control panel.

**Monitoring: On-screen and Using SNMP**

The VIP-X offers real-time monitoring both with visual on-screen alarms, and also via SNMP. The VIP-X continues Evertz’ monitoring tradition, and offers all of the extensive alarming the industry has come to value, including monitoring for video loss, active picture level, audio loss, over, under etc.

**3Gb/s Support**

The VIP-X is a true 3Gb/s platform, with end-to-end support of SMPTE 424/M HD-SDI content. The router is not only capable of passing 3Gb/s, but the multi-image display system can display 3Gb/s images also.

The product supports the complete range of SDI video content from 525i/625i SD-SDI, 720p/1080i to 3Gb/s, all handled seamlessly and auto-sensed at the inputs.
VIP-X: Control Room Routing Platform & Modular Multi-Image Display System

- Up to 576 Inputs
- Crosspoint Redundancy
- Up to 864 Outputs
- X-LINK
- Additional Proprietary High Density Output (Patent Pending)

Evertz® VIP-X Router (True 3Gb/s Routing Platform)

Maestro™
- Industry Standard Drag & Drop Layout Design Package

EQX26-VIPX
Using the 24RU EQX router as the foundation platform, with up to 576 3G/HD/SD inputs and up to 576 outputs for signal routing, plus connectivity to multi-image display outputs using X-LINK Technology and the modular 7767VIP-X output cards.

EQX16-VIPX
Using the 16RU EQX router as the foundation platform, with up to 288 3G/HD/SD inputs and up to 288 outputs for signal routing, plus connectivity to multi-image display outputs using X-LINK Technology and the modular 7767VIP-X output cards.

Tally from Switcher
Dynamic Source Labels (UMD)
Support for Timers  | On-Screen Mouse Control  | VITC Decode  | Dynamic Clock Display  | Image Replication Standard

3rd Party Switcher  | 3000DCP Desktop Control Panel  | Keyboard & Mouse Control via CP-2200E Control Panel

**XE8-VIPX**
Using the versatile 8RU Xiom router as the foundation platform, with up to 128 3G/HD/SD inputs and up to 128 outputs for source routing, plus connectivity to multi-image display outputs using X-LINK Technology and the modular 7767VXP-X output cards.

**XE4-VIPX**
Using the compact 4RU Xiom router as the foundation platform, with up to 64 3G/HD/SD inputs and up to 64 outputs for source routing, plus connectivity to multi-image display outputs using X-LINK Technology and the modular 7767VXP-X output cards.

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Specifications

Serial Video Inputs:
- Standard: 3Gb/s (SMPTE 424M), and/or HD-SDI (SMPTE 292M), SD-SDI (SMPTE259M-C)
- Number of Inputs: Router platform dependent
- Connector: BNC IEC 61169-8 Annex A
- Input Impedance: 75Ω
- Equalization: Automatic to 100m (Belden 1694A)
- Return Loss: 5MHz - 1485MHz 15dB typical
- Embedded Audio: SMPTE 272M-A, SMPTE 299
- Signal Level: 800mV nominal
  - DC Offset: 0V ±0.5V
  - Rise and Fall Time: 200ps nominal (HD)
  - Overshoot: < 10% of amplitude
- Number of Inputs: Router platform dependent
- Connector: BNC IEC 61169-8 Annex A
- Input Resistance: 640x480 (VGA) to 1600x1200 (UXGA)
- Signal Level: 800mV nominal
  - DC Offset: 0V ±0.5V
  - Rise and Fall Time: 200ps nominal (HD)
  - Overshoot: < 10% of amplitude
- Number of Outputs: Router platform dependent
- Connector: BNC IEC 61169-8 Annex A
- Input Impedance: 75Ω
- Number of Outputs: Router platform dependent
- Connector: BNC IEC 61169-8 Annex A
- Input Impedance: 75Ω
- Multi-Image Display Video Output per VIPX card:
- Standard: VESA (DVI-D) up to WUXGA (1920x1200)
- Number of Outputs: 2
- Connector: DVI-I
- Video: 1V p-p RGB, 60/50 Hz refresh
  - Signal Level: 800mV nominal
  - DC Offset: 0V ±0.5V
  - Rise and Fall Time: 200ps nominal (HD)
  - Overshoot: < 10% of amplitude
- Multi-Image Display Serial Video Output per VIPX card:
- Standard: 3Gb/s (SMPTE 424M), and/or HD-SDI (SMPTE 292M), SD-SDI (SMPTE259M-C)
- Number of Outputs: 2
- Connector: BNC IEC 61169-8 Annex A
- Impedance: 75Ω
- Genlock Input:
  - Type: NTSC/PAL color black
  - Level: 1V p-p nominal
  - Connector: BNC IEC 61169-8 Annex A
- General Purpose Interface I/O per VIPX card:
  - Number of Inputs: 4
  - Number of Outputs: 2
  - 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
- Input/Output Serial Port per VIPX card:
  - Number of Ports: 1 RS-232 (pins 2,7) or 1 RS-422 (pins 1,2,6,7)
  - Connector: HD-15
  - Baud Rate: Up to 1Mbaud
  - Format: Image Video, TSL
- Ethernet:
  - Network Type: Fast Ethernet 100 Base-TX 1EEE 802.3U standard for 100Mbps base band CSMA/CD local area network
  - Connector: RJ-45 x2
- Electrical VIPX card:
  - Voltage: +12V DC
  - Power: 75W

PKGVIPX-XE4 PKGVIPX-XE8 EQX SAMPLE PACKAGES:

PKGVIPX-XE4-3232S-2, 4, 6, 8, 10 & 12
Xenon 4RU, 32 SD inputs, 32 SD outputs, plus 1 VIPX16x2 up to 6 VIPX16x2 displays
PKGVIPX-XE4-3232S-2, 4, 6, 8, 10 & 12
Xenon 4RU, 32 SD inputs, 32 SD outputs, plus 1 VIPX16x2 up to 6 VIPX16x2 displays
PKGVIPX-XE8-3232S-2, 4, 6, 8, 10 & 12
Xenon 8RU, 32 SD inputs, 32 SD outputs, plus 1 VIPX16x2 up to 12 VIPX16x2 displays
PKGVIPX-XE8-3232S-2, 4, 6, 8, 10 & 12
Xenon 8RU, 32 SD inputs, 32 SD outputs, plus 1 VIPX16x2 up to 12 VIPX16x2 displays
PKGVIPX-EQX16-18H-2 up to 36
EQX 16RU, 18 HD inputs, (no outputs), plus 1 VIPX16-2 displays up to 18 VIPX16-2 displays
PKGVIPX-EQX18-12H-18 up to 36
EQX 16RU, 18 HD inputs, (no outputs), plus 1 VIPX16-2 displays up to 18 VIPX16-2 displays
PKGVIPX-EQX18-12H-18 up to 36
EQX 16RU, 18 HD inputs, (no outputs), plus 1 VIPX16-2 displays up to 18 VIPX16-2 displays
PKGVIPX-EQX198x18-24 up to 18
EQX 16RU, 198 HD inputs, 18HD outputs, plus 12 VIPX16-2 displays
PKGVIPX-EQX198x18 up to 18
EQX 16RU, 198 HD inputs, 18HD outputs, plus 12 VIPX16-2 displays
PKGVIPX-EQX198x108-24 up to 18
EQX 16RU, 198 HD inputs, 108HD outputs, plus 12 VIPX16-2 displays
PKGVIPX-EQX198x108 up to 18
EQX 16RU, 198 HD inputs, 108HD outputs, plus 12 VIPX16-2 displays