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

▶ VIP-X Family - The Complete Control Room Solution

The new VIP-X control room solution from Evertz® represents the best of Evertz® technology, including:
• Advanced routing technology: Xenon & EQX
• Advanced multi-viewer technology: MVP® & VIP™
• Advanced user control system: MVP® server and Maestro™ software
• Highest quality multi-image outputs: Most advanced scaling technology

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, or it can be ordered as a larger system that can accommodate up to 1152 inputs and 1152 router outputs and as many as 72 multi-image displays.

▶ High Quality Image Reproduction

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

The scaling 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.

▶ 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 large or too small.

The advantage of the VIP-X is that none of the outputs from the router are wasted.

▶ 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.

Systems of any size offer this flexibility, even the largest VIP-X system allows any input to be displayed on each and every display each 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.
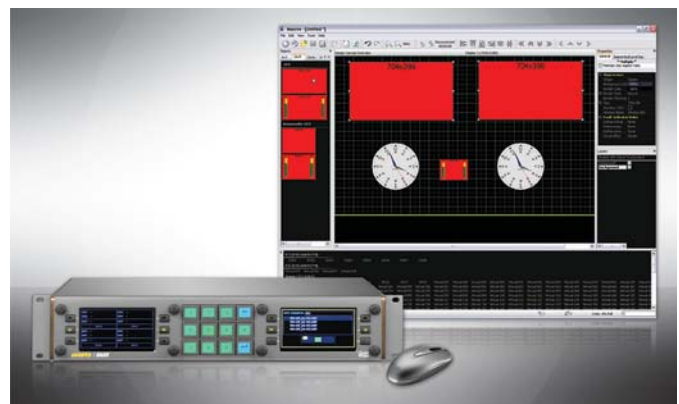
▶Monitoring: On-screen and Using SNMP

The VIP-X offers both real time monitoring with visual on-screen alarms and via SNMP. 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 and audio loss, over, and under and much more.

▶Industry Standard User-Interface

The VIP-X multi-image display outputs are controlled using Evertz® industry standard graphical interface: Maestro™. Maestro™ is installed in over a thousand 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®.

Through it's use of simple drag & 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 and keyboard control.
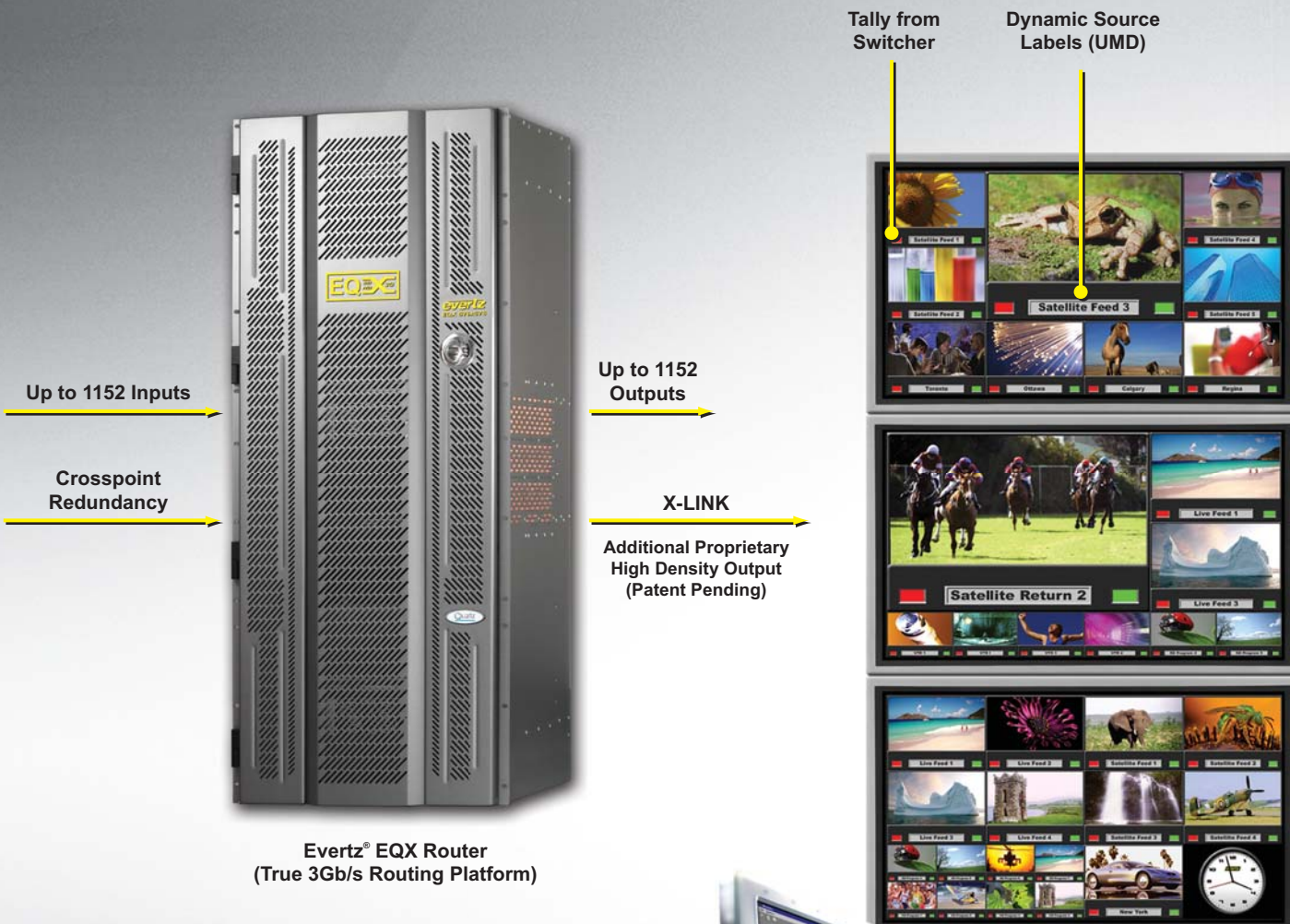
▶3Gb/s Support

The VIP-X is a true 3Gb/s platform with end to end support of SMPTE 424M 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 3Gbs, all handled seamlessly and auto-sensed at the inputs.

VL

Tally from Switcher

Dynamic Source Labels (UMD)

Up to 1152 Inputs

Crosspoint Redundancy

Up to 1152 Outputs

X-LINK

Additional Proprietary High Density Output (Patent Pending)

Evertz® EQX Router
(True 3Gb/s Routing Platform)

Maestro™
• Industry Standard Drag & Drop Layout Design Package

VIPX

EQX 26-VIPX, EQX16-VIPX, XE8-VIPX and XE4-VIPX

The Complete Solution Provider

evertz

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

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

The Complete Control Room Solution

The big differentiator 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 both the routing component for any project and the multi-image display component -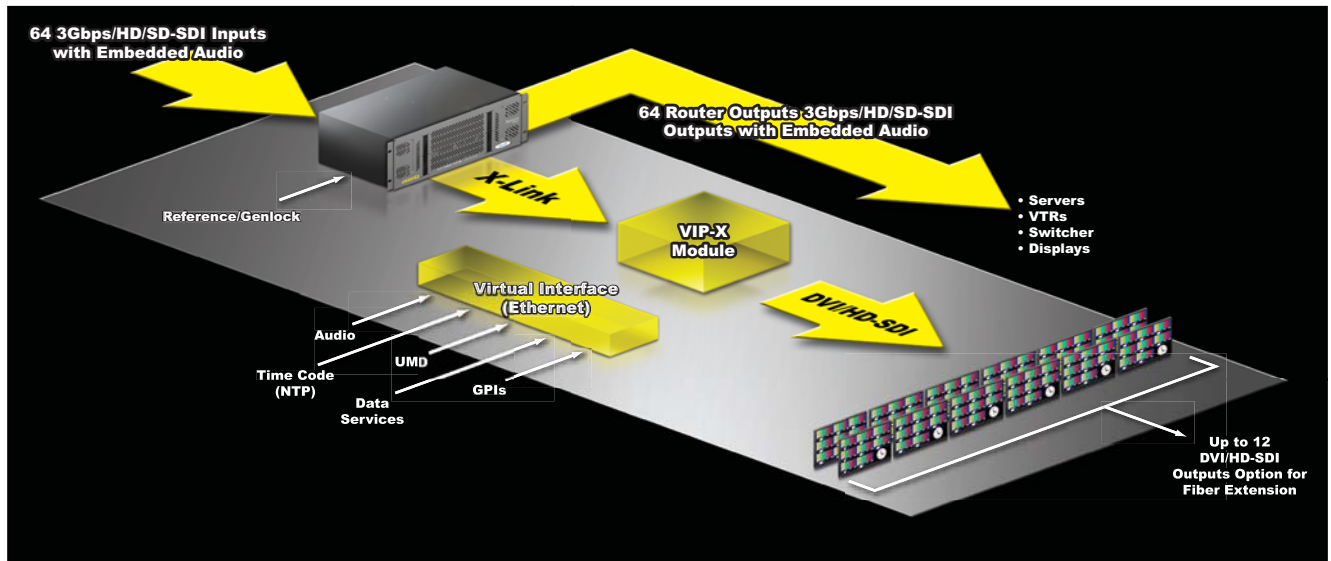 without compromise - to either the router or the multi-viewer size or functionality. The solution is perfect for production control, outside broadcast, edit suites, audio control, graphics suites, and anywhere high quality multi-image display is needed.

▸XE4-VIPX Package

Using the compact 4RU Xenon router as the foundation platform, with up to 64 3G/HD/SD inputs and up to 64 outputs for source routing, plus connectivity to up to 12 multi-image display outputs using X-LINK Technology and the modular 7867VIP-X output cards. VIP-X is very flexible and does not compromise the foundation router in any way, offering any source to be independently routed to any router output, plus any source to be displayed any number of times, sizes and aspect ratios on any multi-image display output.
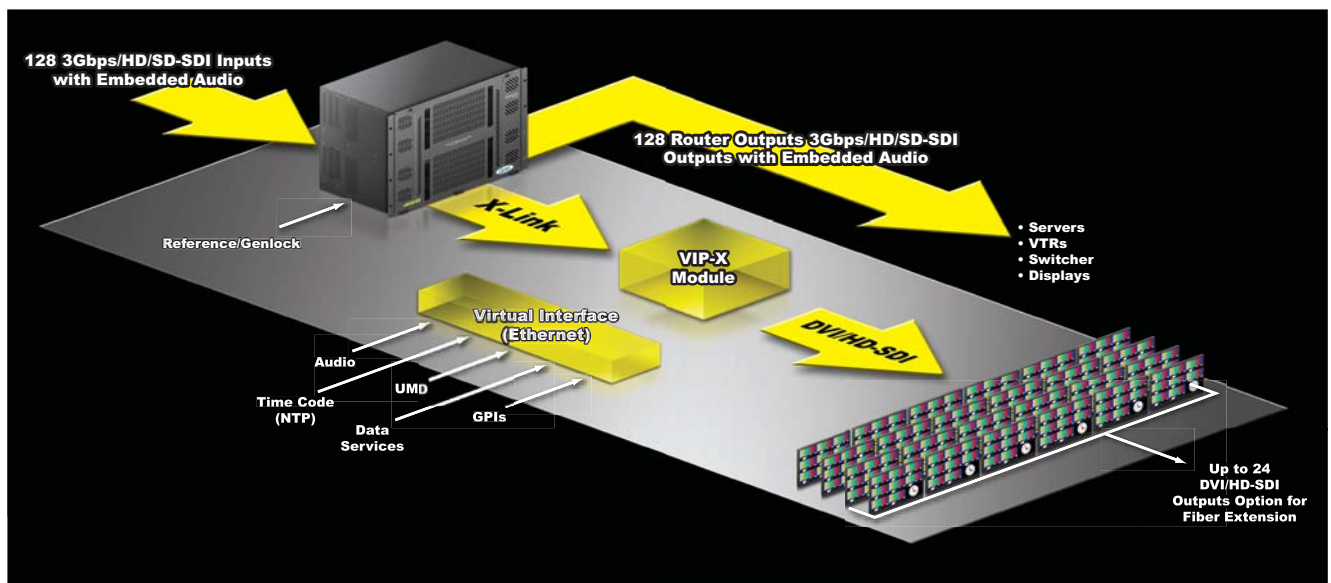
The modular 7867VIP-X card offers up to two DVI outputs, plus two HD-SDI outputs, and supports a wide range of display resolutions. The DVI output can be easily extended using the DVI-EV-EXT-PKG, which is a compact single fiber extension technology, supporting all output resolutions from the VIPX at distances of up to 500m (1,660').

▸XE8-VIPX Package

Using the versatile 8RU Xenon router as the foundation platform, with up to 128 3G/HD/SD inputs and up to 128 outputs for source routing, plus connectivity to up to 24 multi-image display outputs using X-LINK Technology and the modular 7867VIP-X output cards. The Xenon routing platform is specifically built for live control and master control room routing, and therefore can be trusted to handle "on air" signals in the chain. VIP-X is very flexible and does not compromise the foundation router in anyway, offering any source to be independently routed to any router output, plus any source to be displayed any number of times, sizes and aspect ratios on any multi-image display output.

The modular 7867VIP-X card offers up to two DVI outputs, plus two HD-SDI outputs, and supports a wide range of display resolutions. The DVI output can be easily extended using the DVI-EV-EXT-PKG, which is a compact single fiber extension technology, supporting all output resolutions from the VIPX at distances of up to 500m (1,660').
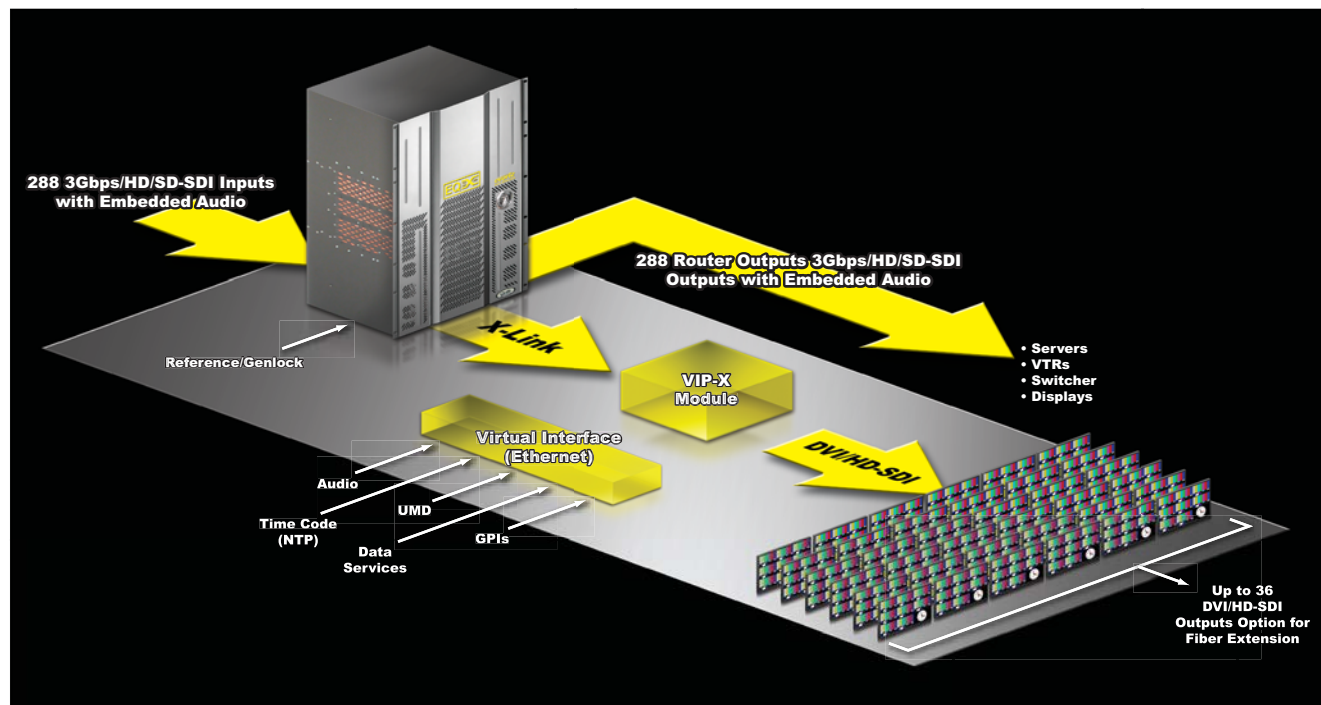

The Complete Solution Provider

▶**EQX16-VIPX Package**

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 up to 36 multi-image display outputs using X-LINK Technology and the modular 7867VIP-X output cards. No other router is more advanced in terms of technology and redundancy, designed for core routing in the most demanding facilities, EQX is the most reliable router available to date. VIP-X is very flexible and does not compromise the foundation router in anyway, offering any source to be independently routed to any router output, plus any source to be displayed any number of times, sizes and aspect ratios on any multi-image display output. The modular 7867VIP-X card offers up to two DVI outputs, plus two HD-SDI outputs, and supports a wide range of display resolutions. The DVI output can be easily extended using the DVI-EV-EXT-PKG, which is a compact single fiber extension technology, supporting all output resolutions from the VIPX at distances of up to 500m (1,660').

▶**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: 5 - 1485MHz 15dB typical
Embedded Audio: SMPTE 272M-A, SMPTE 299

Graphic inputs (RGBHV/DVI) Video Input:
Standard: G-LINK™ (Evertz® proprietary) requires video to G-LINK™ formatter
Number of Inputs: Router platform dependent
Connector: BNC IEC 61169-8 Annex A
Input Resolution: 640x480 (VGA) to 1600x1200 (UXGA)
Input Impedance: 75Ω

Serial Video Output:
Standard: 3Gb/s (SMPTE 424M), and/or HD-SDI (SMPTE 292M), SD-SDI (SMPTE259M-C)
Number of Outputs: Router platform dependent
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

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
Impedance: 50Ω

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: Uses 7800FR genlock BNC

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 6,7) 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: 72W

▶**Ordering Information**

PKGVIPX-XE4

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 HD inputs, 32 HD outputs, plus 1 VIPX16x2 up to 6 VIPX16x2 displays

PKGVIPX-XE8

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 HD inputs, 32 HD outputs, plus 1 VIPX16x2 up to 12 VIPX16x2 displays

EQX SAMPLE PACKAGES:

PKGVIPX-EQX16-18H-2 up to 36
EQX 16RU, 18 HD inputs, (no outputs), plus 1 VIPX16-2 displays up to 18 VIPXx16x2 displays
PKGVIPX-EQX198x18-12/18-24
EQX 16RU, 198 HD inputs, 18HD outputs, plus 6 VIPX16-2 displays/plus 12 VIPX16-2 displays
PKGVIPX-EQX198x108-12
EQX 16RU, 198 HD inputs, 108HD outputs, plus 6 VIPX16-2 displays
PKGVIPX-EQX198x108-24
EQX 16RU, 198 HD inputs, 108HD outputs, plus 12 VIPX16-2 displays