Monitoring & Control
Fiber Optics
Master Control & Branding
Management Software
Time Code
Distribution & Conversion
Routing Systems
Processors
Digital Signage
Closed Captioning / EAS
Production
Post-Production
Multiviewers
L-Band & RF Products
Compressed DTV Products

evertz

THE COMPLETE SOLUTION PROVIDER

Fiber Optics

Using Evertz® fiber optic product line, a practical link for almost any conceivable signal type or group of signals can be easily implemented. Supported video formats include both analog video (NTSC and PAL) and digital video (SDTV, HDTV, DVB-ASI, SDTI, SMPTE 310M). Audio formats include both analog audio and AES/EBU audio. Control formats include bi-directional RS-232, RS-422 and GPI/GPO. Datacom formats include bi-directional Ethernet (10/100 BaseT), Gigabit Ethernet, and Fiber Channel. Other formats include SONET/SDH, DS3, T1/E1/J1, L-Band & 70/140Mhz I/F signals. Using VistaLINK® - capable modules provides the user with advanced features such as pre-emptive warnings and on-board signal and level monitoring through SNMP.

7705 & 7707 Series

RF Distribution & Routing

Evertz® offers modular RF signal matrices for routing and monitoring L-band and IF signals within a satellite communications facility. Built on a modular architecture, all active components are hot-swappable and front-loading ensuring ease of maintenance and matrix expansion. Advanced features such as automatic gain control, salvo operations, monitoring and alarm reporting of critical signal parameters such as input signal presence and signal level provide flexible RF signal management. Additionally, this flexible routing matrix can be controlled, configured and monitored via serial control and/or SNMP control over Ethernet. Matrices run from 16x16 up to 64x64 and beyond. In addition, Evertz® offers RF transmit, receive modules, passive splitters and combiners.

XRF1, XRF6, 7702 & 7703LT/R Series

Master Sync, Clocks & Generator

The 5600MSC is a Master SPG, Master Clock and Master Time Code Generator all in one box. It provides analog black and HDTV tri-level sync signals and solves the problem of locking the in-house master clock system to the master video sync pulse generator. The separate 5600ACO Automatic Changeover Unit completes the package.

The 5600ACO and 5600ACO2 Automatic Changeovers are intended for use with two 5600MSC Master Clock/Sync Generators. The systems use latching relays to ensure maximum reliability and minimal disruption in the event of any failure. The complete system provides the highest level of security for television station video and time synchronization systems.

5600MSC & 5600ACO2

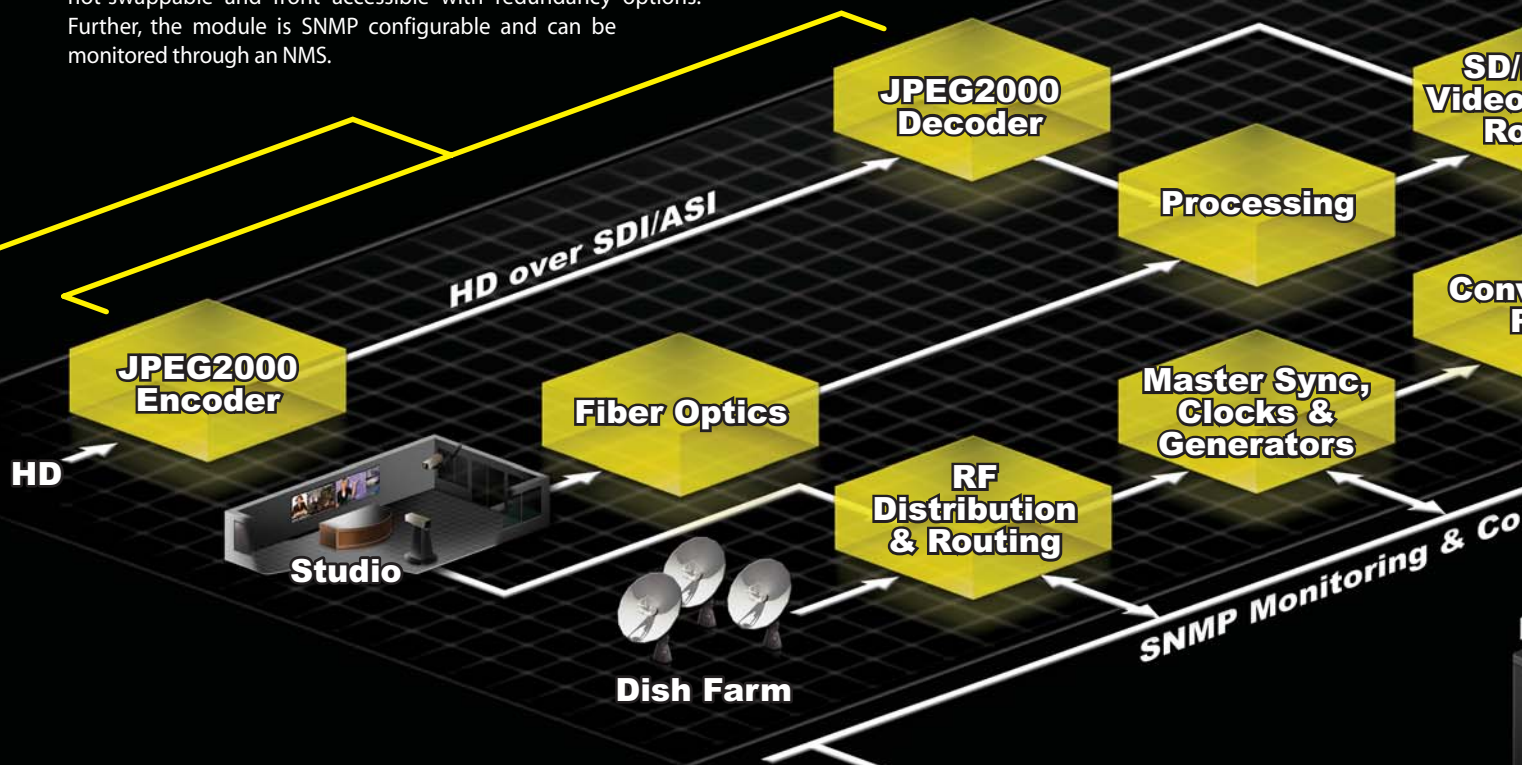# Conversion/Processing & Distribution

HDTV is here and so is Evertz®, providing a complete solution for your broadcast, cable, satellite and IPTV facility needs. Offering modular solutions for A/D, D/A, up, down & cross conversion, aspect ratio conversion, frame synchronizers, audio embedders & de-embedders, Dolby encoders & decoders, keying & logo insertion, captioning using the 7700 series products, and the highest density distribution through the *exponent*™ series, Evertz® infrastructure products help bring your DTV/HDTV plans to reality!

CDM/CD2, CEM/CE2, UC, XUDC & 500 *exponent*™ Series

The Complete Solution...

JPEG2000

Evertz® offers a pair of JPEG2000 SD/HD encoders & decoders outputting over SDI/ASI. The solution is a modular product utilizing J2K wavelet compression which offers the highest quality compression (4:2:2 10 bit processing) of the HD signal to move over a SDI/ASI line. Unlike the DCT-based MPEG compression techniques, J2K does not show pixelization effects if/when frames are lost during the transmission. It also offers full VANC support, as well as support for 8 AES inputs. Given that it is modular, it also means that it is hot-swappable and front accessible with redundancy options. Further, the module is SNMP configurable and can be monitored through an NMS.

JPEG2000 Decoder

SD/
Video
Ro

Processing

HD over SDI/ASI

JPEG2000 Encoder

HD

Fiber Optics

Con
F

Master Sync, Clocks & Generators

Studio

RF Distribution & Routing

Dish Farm

SNMP Monitoring & Co

MVP™
Multi-Image Display & Monitoring System

VIP™
Compact Multi-Image Display & Monitoring System

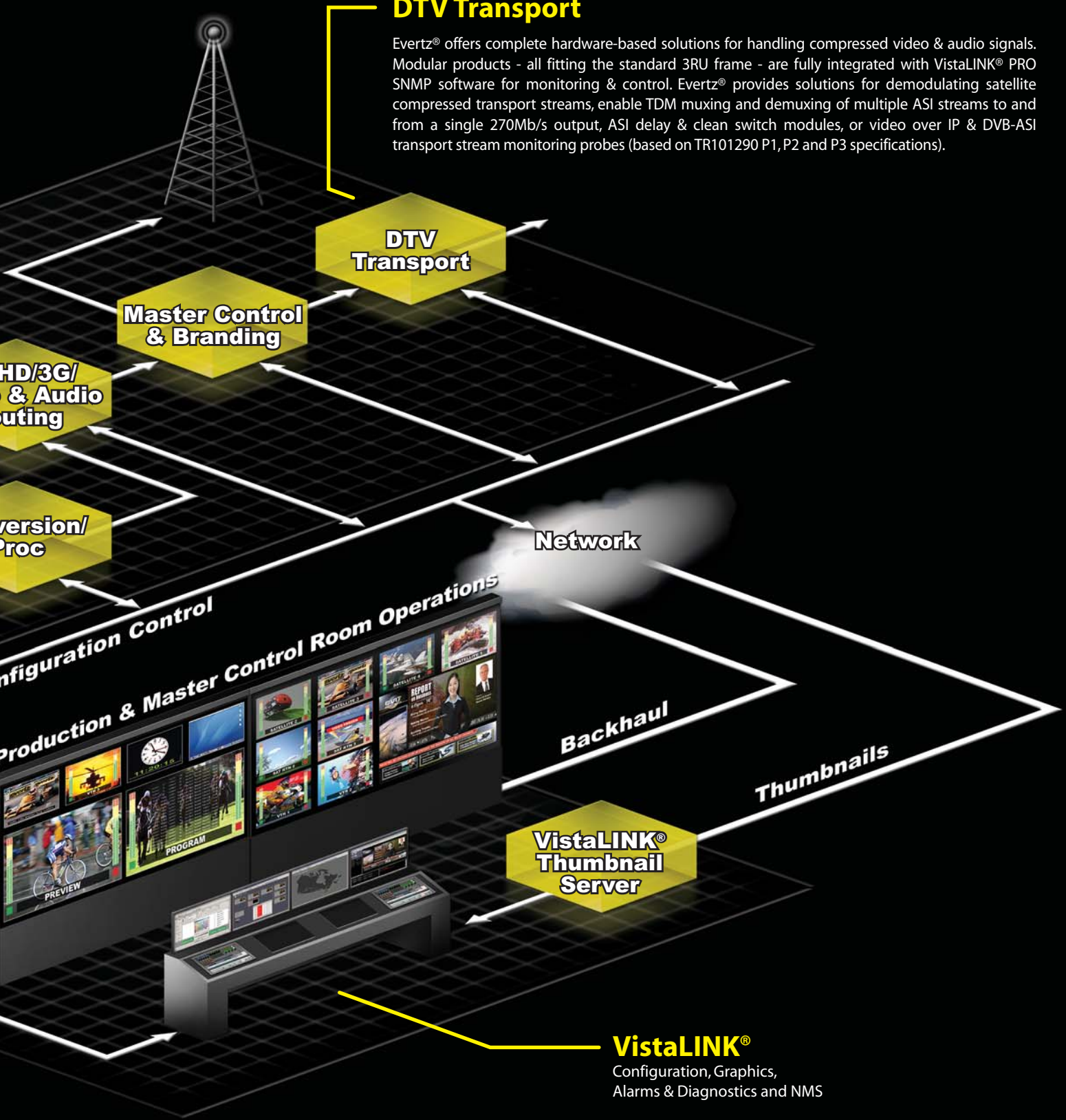**VIPX™**
Signal Routing with Built-in Monitoring & Display

The Con

DTV Transport

Evertz® offers complete hardware-based solutions for handling compressed video & audio signals. Modular products - all fitting the standard 3RU frame - are fully integrated with VistaLINK® PRO SNMP software for monitoring & control. Evertz® provides solutions for demodulating satellite compressed transport streams, enable TDM muxing and demuxing of multiple ASI streams to and from a single 270Mb/s output, ASI delay & clean switch modules, or video over IP & DVB-ASI transport stream monitoring probes (based on TR101290 P1, P2 and P3 specifications).

DTV Transport

Master Control & Branding

HD/3G/ & Audio uting

version/ Proc

Network

nfiguration Control

Production & Master Control Room Operations

Backhaul

Thumbnails

VistaLINK® Thumbnail Server

VistaLINK®
Configuration, Graphics,
Alarms & Diagnostics and NMS

mplete Solution Provider **evertz**

SD/HD/3G & Audio Routing

The EQX platform is Evertz® flagship routing and distribution solution designed for high availability by adopting extensive redundancy for all critical system elements. With this, and the ability to route up to 576x576 signals, the EQX is ideal for mission critical and demanding 24/7 environments including network local broadcaster, mobile production, cable, military, government and corporate applications.

Xenon and Topaz routing lines bring many advanced new capabilities to the world of routing switchers, building on a new generation design that starts with a solid multi-format router core.

Topaz, Xenon & EQX Series, Modular & Bypass Routers

Master Control & Channel Branding

Master control is the heart of any broadcast facility, and demands for reliability, serviceability, and signal protection are essential. Equally essential is a Master Control that can be expanded to provide for future growth as facilities migrate from analog to SD to HD. Many broadcasters look at master control as a major long-term investment.

Trusted by the networks and production facilities worldwide, the Evertz® family of Channel Branding products offers a wide range of capabilities and features that meet the needs of the modern broadcast facility. The lineup of Keyers, Logo and Media Inserters provide the solutions for your HD, SD and Analog branding requirements.

QMC-2, QMG and 9725LG/LGA Series

Monitoring & Control

The MVP™ & VIP™ revolutionize the multi-display marketplace with a highly flexible, intuitive, simple yet comprehensive approach to virtual wall monitor applications.

The MVP™ is the next generation of Multi-Image Display Processor Technology, boasting the most flexible & feature-rich platform available, making it ideal for all applications where video/audio monitoring & display are required. The MVP™ architecture is revolutionary in its approach, as it does NOT use a PC platform at the core of its operation. The VIP™ provides a feature-rich yet cost-effective signal monitoring and display solution displaying up to WUXGA (1920x1200) resolution.

MVP™, VIP™, MWP™ & Quattro™ HD

VistaLINK® PRO Software

With effective and simple-to-use graphics, unparalleled drill-down information, external notification tools and a network of efficient SNMP monitoring & configuration architecture, VistaLINK® and VistaLINK® PRO PLUS provide you with all the details!

From a simple module setup and configuration tool to an advanced level monitor/control element manager and everything in between, VistaLINK® PRO covers all of your application needs.

VistaLINK® PRO & VistaLINK® PRO PLUS = 100% SNMP

Evertz® Around the World

The Evertz® Corporate Head Office is located in Burlington, Ontario, Canada. We also have United States offices located in Washington DC and Burbank CA, as well as International Offices located in London UK, South East Europe and Hong Kong.

Evertz® supports over 80 local dealers, who deliver our products, solutions, and expertise. Dealers know your local market and provide the customer service that sets us apart from the competition. If you need advice about selecting or using an Evertz® product, set-up or servicing needs, your local dealer can answer your questions and even put you in touch with a regional Evertz® office. To locate your Evertz® representative, visit http://www.evertz.com/contact/international-dealers for a list of our authorized dealers.

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