

Video Delivery Solutions

Delivering Broadcast Quality Video to Every Screen



PHASE®





Flexible Video Delivery Platform

Evertz video delivery platform delivers broadcast quality video from any lens, through any network, to any device. Evertz multi-format, multi-codec, multi-output solution offers the most scalable, flexible and innovative video delivery platform for any application.

Software Defined Video Delivery:

With solutions ranging from modular and high density software defined hardware accelerated platforms to software only server based solutions, Evertz has highest Video Quality JPEG2000 / H.264 / MPEG-2 / HEVC (H.265) architectures to suit every video delivery need.

End to End Product Offering

Evertz video delivery platform offers complete solutions to contribution, primary/secondary distribution and OTT markets.



Highest Video Quality

Using the latest advancements in compression technology, Evertz video delivery platform delivers the highest video quality at the lowest bitrates.



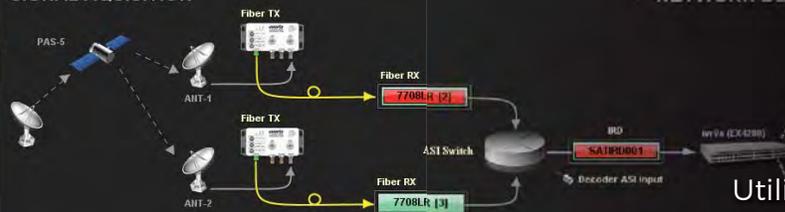
High Density

Evertz video delivery platform offers highest density in the industry in different form factors for any codec

Lowest Latency

Evertz video delivery platform delivers industry leading low latency encoding

SIGNAL ACQUISITION



NETWORK DELIVERY

End to End Control & Monitoring

Utilizing Evertz' VistaLINK PRO which provides a single interface to manage/monitor the entire operational ecosystem, allow for reduction in operational expenditures (OPEX) and increase in quality of service

Channel Name:

A&E

Channel Number:

(001)

Provider Details:

Evertz Microsystems

Service Alarm Log:

Ack	Cor	Duration	Alarm Desc/Severity	Device	Time	Date	Cor Time	Cor Desc
			ASI Input Loss	7708Lr [2]	14:41:03	Nov 13, 2		
			Optical Power Low	7708Lr [2]	14:41:03	Nov 13, 2		

Migrate from SDI to IP

Evertz video delivery platform accepts both SDI and IP (compressed and uncompressed) inputs allowing customer to migrate from SDI to IP

Contribution



570J2K-HW-X19:

Offering unparalleled processing densities, the 570J2K-HW-X19 can provide direct conversion of up to 12 signals to direct mezzanine compression via JPEG 2000. With Evertz patent pending, multi path packet merge technology (MPPM) this robust platform provides peace of mind.

3080UEP-H264P60-IPASI:

The 3080UEP-H264P60-IPASI is a universal encoding platform capable of concurrently encoding more than one codec (HEVC / H.264 / MPEG-2 / JPEG2000) and is the perfect encoder for contribution and primary distribution applications.

7882J2KX-IPASI

7882J2KX-IPASI is a bi-directional ultra low latency J2K encoder / decoder.

7882ENC-H264HD-IPASI:

Offering the very best video quality, latency and bandwidth utilization the 7882ENC-H264HD-IPASI delivers the “best in breed” video and audio compression technology. 7882ENC low latency encodes up to 10-Bit 4:2:2 resolution and still provides the ability to use MPEG-2 or H.264 (MPEG-4 Part 10). This versatile dynamic industry leader can also provide JPEG 2000 Encoding.

CXP9000 Platform:

The CXP9000 offers multi-codec (H.265 / H.264 / JPEG2000 / MPEG-2) multi-format encoding for facilitating multi-faceted applications. The CXP9000 is capable of being configured as a single, dual, triple, or quad channel encoder with DVB-S / S2 / S2X modulation. Customers have the choice of IP or ASI and RF outputs to meet industry needs.

Receiving, Processing



570ITXE-HW-P60-UDC:

The 570ITXE-HW-P60-UDC is a converged platform capable of receiving/decoding, normalizing and multiple encoding (H.264 / JPEG2000) all streams coming into a facility.

570J2K-HW-X19:

Offering unparalleled processing densities, the 570J2K-HW-X19 can provide direct conversion of up to 12 signals to direct mezzanine compression via JPEG 2000. With Evertz patent pending, multi path packet merge technology (MPPM) this robust platform provides peace of mind.

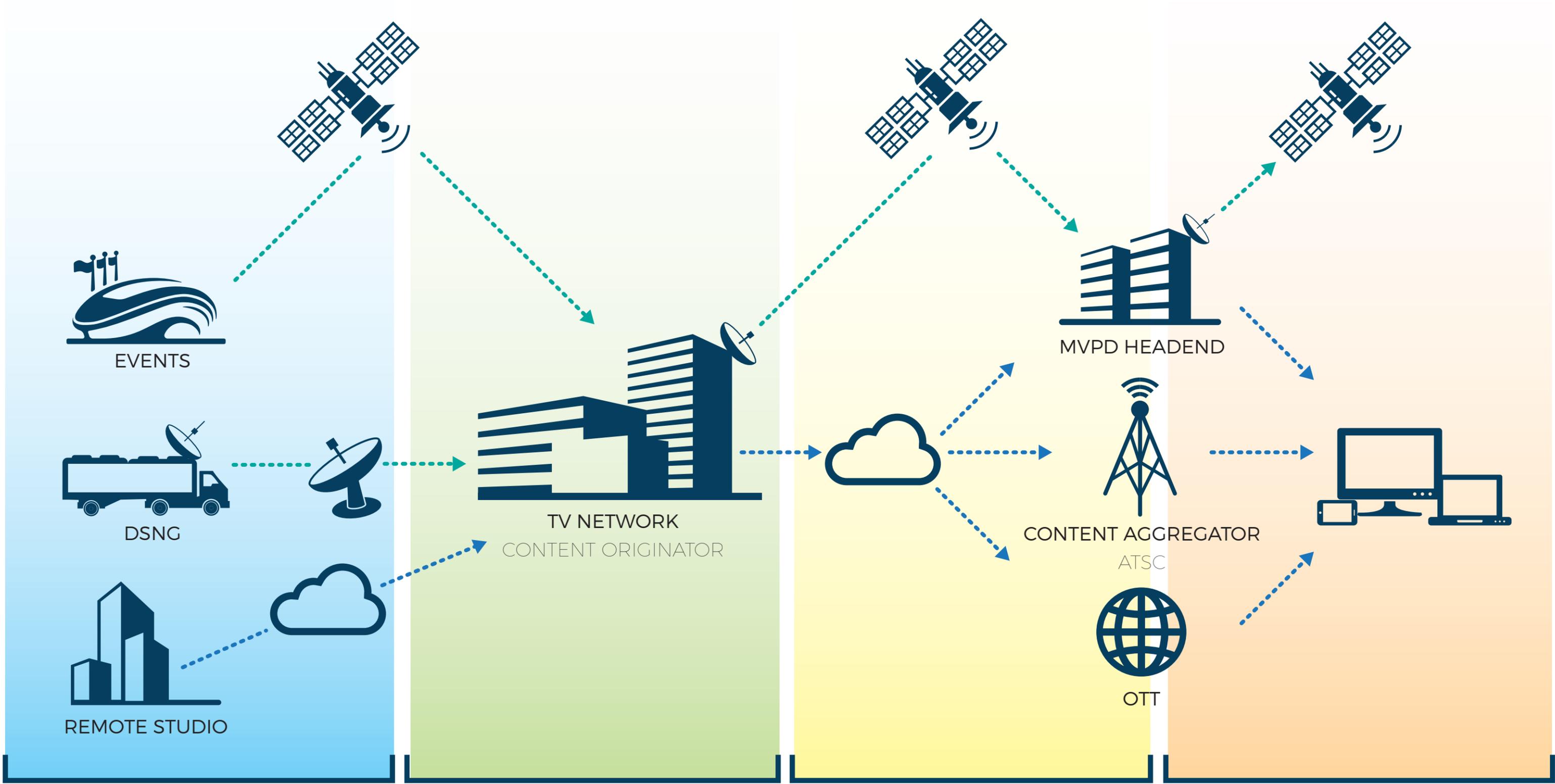
7882DEC-H264HD-IPASI:

This robust resilient decoding platform provides industry proven professional grade and high quality 3G / HD / SD JPEG2000 / H.264 / MPEG-2 decoding. This flexible platform can also grow to a dual channel decoder offering field upgradable flexibility that is game changing.

CRP9000 Platform:

The CRP9000 Integrated Receiver Decoder Platform offers multi-codec, multi-format decoding. The CRP9000 can be configured as a single, dual, or quad channel decoder with the option of DVB-S / S2 / S2X demodulation. Customers have the choice of IP,ASI and RF inputs to meet industry needs.

Video Delivery Diagram



Contribution
CXP Platform

Receiving, Processing
CRP Platform | iTXE Platform

Primary Distribution
CXP Platform

Secondary Distribution
3480TXE | 3482TXE

Primary Distribution



CXP9000 Platform:

The CXP9000 offers multi-codec (H.265 / H.264 / JPEG2000 / MPEG-2) multi-format encoding for facilitating multi-faceted applications. The CXP9000 is capable of being configured as a single, dual, triple, or quad channel encoder. Customers have the choice of IP or ASI and RF outputs to meet industry needs.

3080UEP-H264P60-IPASI:

The 3080UEP-H264P60-IPASI is a universal encoding platform capable of concurrently encoding more than one codec (HEVC / H.264 / MPEG-2 / JPEG2000) and is the perfect encoder for contribution and primary distribution applications.

Secondary Distribution / OTT



3480TXE

The 3480TXE is a software defined accelerated encoding platform that offers superior video quality. It serves as a multipurpose encoder/transcoder for both contribution and distribution headend and OTT applications.

3482TXE-HEVC:

3482TXE-HEVC is a software defined accelerated platform that offers multi-standard video (4K / 3G / HD / SD), multi-codec (HEVC / H264) encoding at superior quality and density. Supporting 4K / UHD distribution, this High Dynamic Range (HDR) ready encoder provides superior video quality while providing the lowest latency.

3480TXE-ATSC

The 3480TXE-ATSC is an integrated Broadcast ATSC Encoder with exceptional Quality MPEG-2 Video and the highest number of services in a standard ATSC channel capable of 2 HD and 4 SD or up to 3HD in a 1RU. The 3480TXE-ATSC can also encode mezzanine H.264 as well as Adaptive Bit Rate (ABR) simultaneously on the same box.

MUXIP-10GE-v52-2RU

The MUXIP-10GE is a complete software based solution to concurrently demux and remux up to 128 IP inputs across 128 IP outputs over 1/10GigE ports.

Monitoring



TSMIP-10GE

The TSMIP-10GE is a powerful software based solution to concurrently monitor up to 256 transport streams at strategic points within the distribution network.

MViP-II

MViP-II offers more simultaneous decodes with up to 64 MPEG-2/H.264 SD or 32 MPEG-2 / H.264 HD or 16 HEVC HD or 32HEVC SD. The MViP-II can be used to monitor both "main screen" encodes as well as "over the top" streams.

Ordering Options

Contribution

5782ENC-H264HD-IPASI

H.264/MPEG-2 HD/SD Low Latency 8-Bit/10-Bit 4:2:2/4:2:0
Contribution Encoder

570J2K-HW-X19

12 Channel 3G/HD/SD J2K Encoder/Decoder

CXP9000 Platform

Multi-codec, multi-format encoding Platform

7882J2KX-IPASI

Bi-directional ultra low latency J2K encoder/decoder

7882ENC-H264HD-IPASI

H.264/MPEG-2 HD/SD Low Latency 8-Bit/10-Bit 4:2:2/4:2:0
Contribution Encoder

3080UEP-H264P60-IPASI

Professional 3G/HD/SD Universal Contribution Encoding Platform

Receiving, Processing

570JK-HW-X19

12 Channel 3G/HD/SD J2K Encoder/Decoder

7882DEC-H264HD-IPASI

HD/SD H.264/MPEG-2 Single Channel Decoder with IP and ASI
inputs

7882DEC2-H264HD-IPASI

HD/SD H.264/MPEG-2 Dual Channel Decoder with IP and ASI
inputs

Primary Distribution

CXP9000 Platform

Multi-codec, multi-format encoding Platform

3080UEP-H264P60-IPASI

Professional 3G/HD/SD Universal Contribution Encoding Platform

IP On Ramp Gateways

570ITXE-HW-P60-UDC

Universal IP On Ramp Gateway

3080ITXE-HW-P60-UDC

Universal IP On Ramp Gateway

Secondary Distribution/OTT

3480TXE

Software Defined multiple applications Encoder/Transcoder

3480TXE-ATSC

Software Defined Accelerated ATSC Encoding Platform

3482TXE-HEVC

Software Defined 4K HEVC encoder

MUXIP-10GE-v52-2RU

High Density Transport Stream Multiplexer

IP Clean Switch

7880R2x1-IP-CS

MPEG TS over IP Clean Switch Module with Single Clean Switch

Monitoring

TSMIP-10GE

Bulk IP Transport Stream Monitor

MViP-II

IP Based Multi-Image Display & Monitoring Solution

SLKE

7880SLKE-H264HD

Single channel Streamlink H264 Encoder



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