

7882J2KX-IPASI+3RU

Single Channel J2K Encoder/Decoder

The 7882J2KX-IPASI+3RU is the most flexible solution for interfacing 3G/HD/SD to IP and ASI networks through JPEG2000 compression. The 7882J2KX-IPASI+3RU is bi-directional and can encode and decode video simultaneously. Using the 7882J2KX-IPASI+3RU, Evertz customers can deploy high quality 3G/HD/SD video over bandwidth limited networks.

This is the perfect product for low density video contribution applications that require superior video quality with low end-to-end delay.

The 7882J2KX-IPASI+3RU supports dual network interfaces (main & redundant) to ensure robust transmission over wide area networks.

►Features & Benefits

- 1x 3G/HD/SD-SDI JPEG2000 Encode
- 1x 3G/HD/SD-SDI JPEG2000 Decode
- Supports: 1080p/50, 1080p/59.94 Level A, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50, 525i/59.94, 625i/50,
- Visually Lossless compression
- Low delay encode/decode process
- Superior quality without blocking, tiling or motion dependence

Mezzanine Encode Processing:

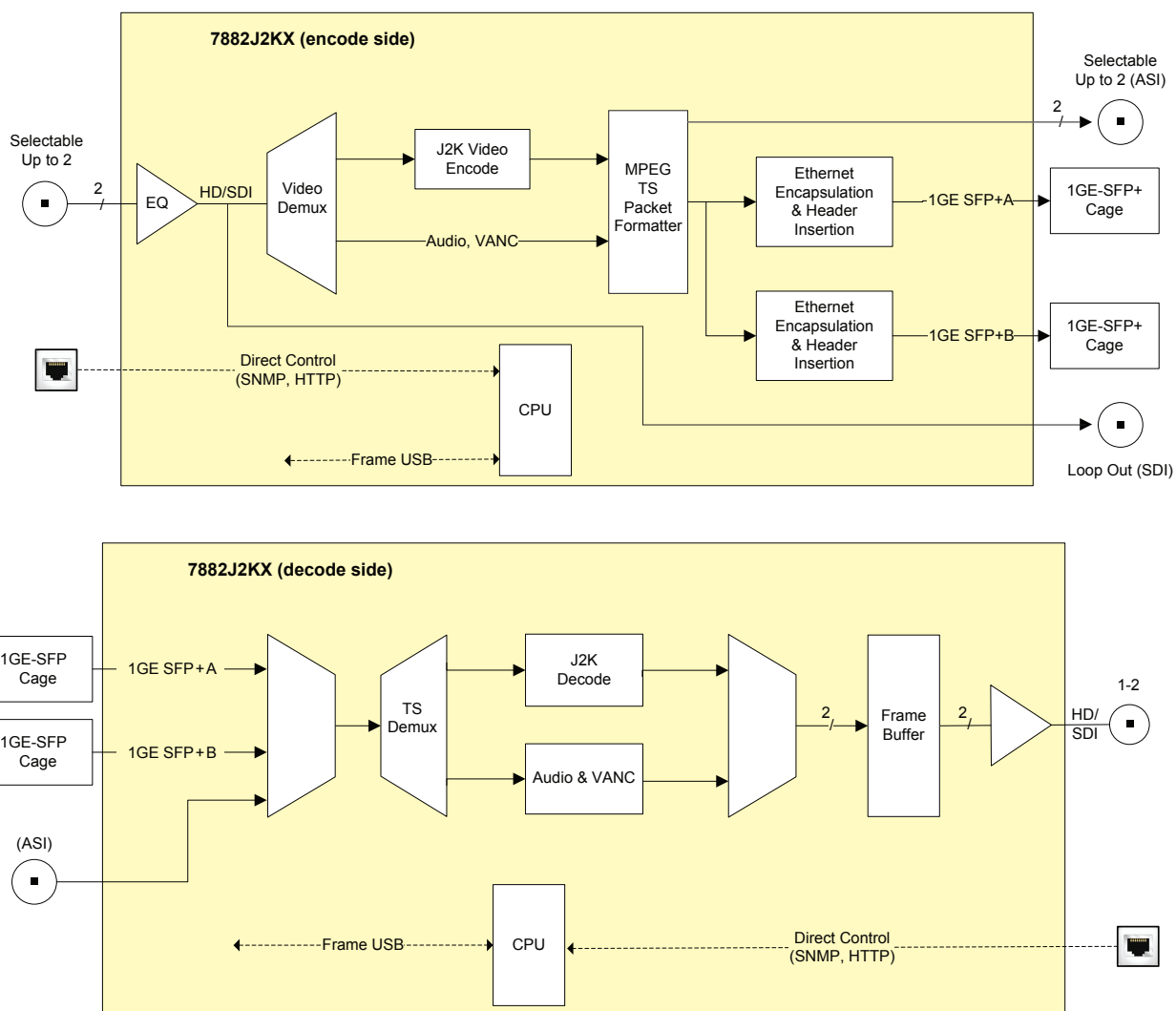
Video JPEG2000 encoded to native resolution
4x groups of embedded audio encapsulated
Supports VANC datapack through SMPTE 2038

Mezzanine Decode Processing:

Video JPEG2000 decoded from native resolution,
4 de-capsulated groups of audio
Supports VANC datapack through SMPTE 2038

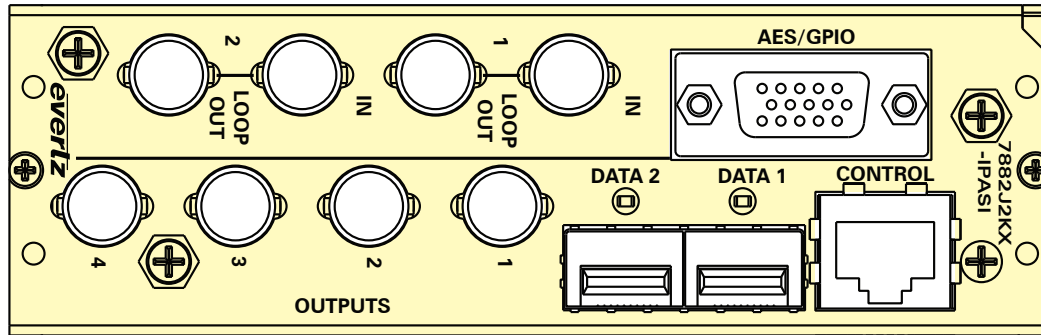
Control and Baseband Processing

Support control via frame controller or direct Ethernet interface to the card.
SNMP control from Vistalink or Magnum Unified Control



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Specifications

Serial Digital Video:

Standards: SMPTE 424M (3Gb/s) Level A
SMPTE 292M (1.5Gb/s),
SMPTE 259M (270Mb/s)

Serial Video Input:

Number of Outputs: Selectable up to 2
Connector: DIN
Rise and Fall Time: Per SMPTE spec

Serial Video Output:

Number of Outputs: Selectable up to 4
Connector: DIN
Rise and Fall Time: Per SMPTE spec

Ethernet Interface: Dual 1GE SFP

Encapsulation: MPEG2 TS over IP

Ethernet/IP Signaling: Multicast IGMP V2/V3 (SSM Support)

PCM of HANC & VANC:

4x Groups Audio Pass through
VANC data pass through per SMPTE 2038

Electrical:

Input Voltage: Auto ranging 100 – 240VAC
Power: <48W
EMI/RFI: Complies with FCC regulations for class-A devices
Complies with EU EMC directive

Physical (number of slots): 2

Enclosures:

7800FR: 3RU chassis
7801FR: 1RU chassis

Ordering Information

7882J2KX-IPASI+3RU Single Channel J2K Encoder/Decoder

SFP Modules (sold separately):

SFPTR-RJ45-SGM-AV 1GE Electrical SFP
SFP1G-TR13 1GE Optical SFP

Licensing options:

7880IPG8-CK-J2KE (J2K Encode License)
7880IPG8-CK-J2KD (J2K Decode License)

(One license of encode or decode already included)