

# 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:

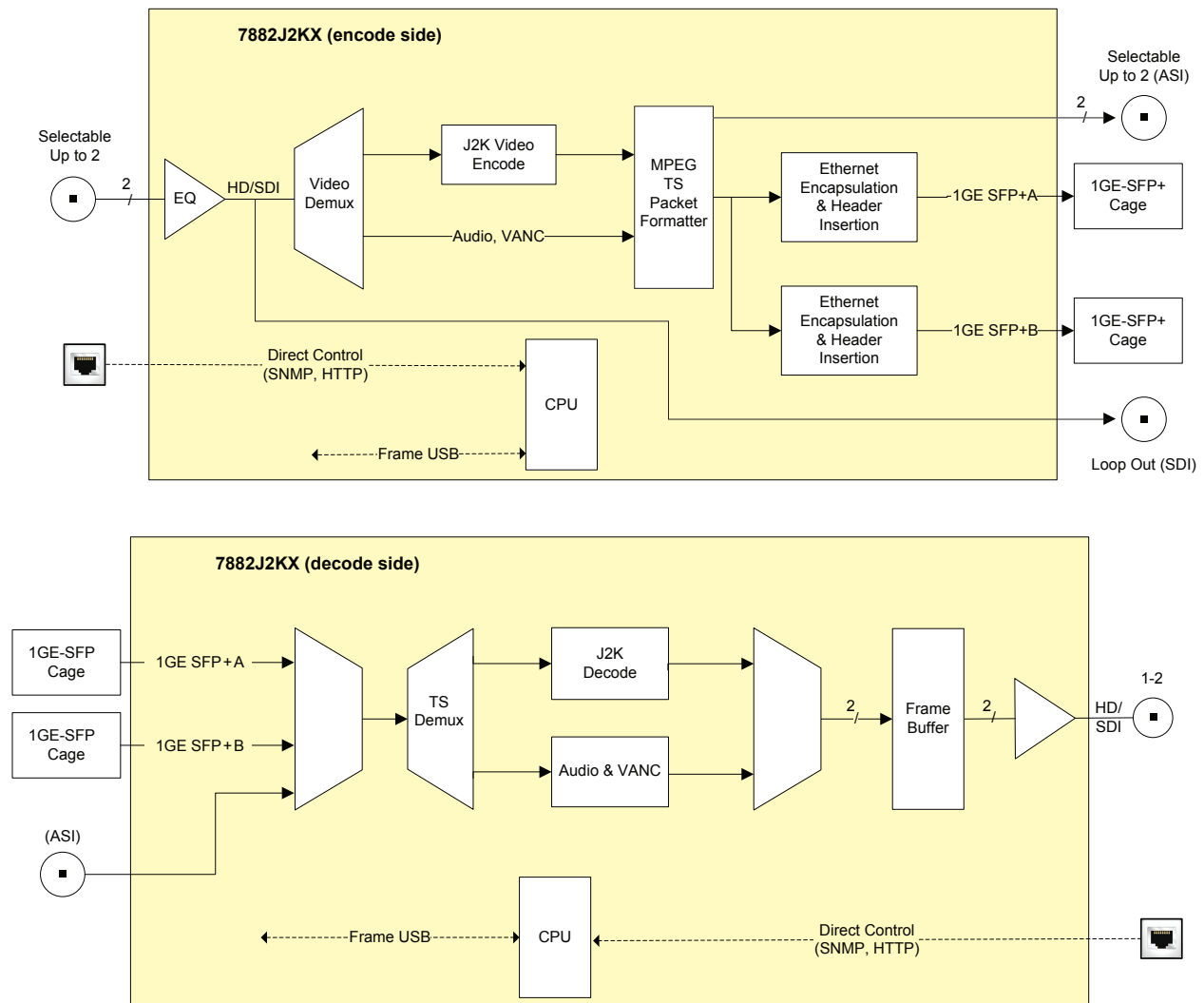
Video JPEG2000 encoded to native resolution  
4x groups of embedded audio encapsulated  
Supports VANC datapack through SMPTE 2038

### Mezzanine Decode Processing:

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

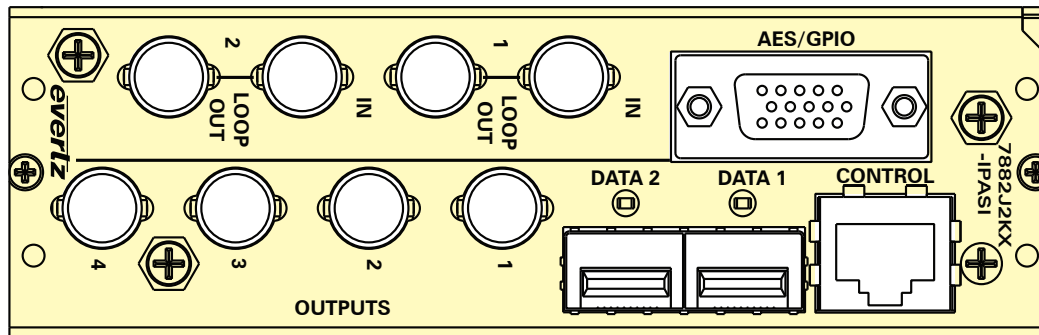
### Control and Baseband Processing

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

<p><b>Serial Digital Video:</b> Standards: SMPTE 424M (3Gb/s) Level A SMPTE 292M (1.5Gb/s), SMPTE 259M (270Mb/s)</p> <p><b>Serial Video Input:</b> Number of Outputs: Selectable up to 2 Connector: DIN Rise and Fall Time: Per SMPTE spec</p> <p><b>Serial Video Output:</b> Number of Outputs: Selectable up to 4 Connector: DIN Rise and Fall Time: Per SMPTE spec</p>	<p><b>Ethernet Interface:</b> Dual 1GE SFP</p> <p><b>Encapsulation:</b> MPEG2 TS over IP</p> <p><b>Ethernet/IP Signaling:</b> Multicast IGMP V2/V3 (SSM Support)</p> <p><b>PCM of HANC &amp; VANC:</b> 4x Groups Audio Pass through VANC data pass through per SMPTE 2038</p>	<p><b>Electrical:</b> Input Voltage: Auto ranging 100 – 240VAC Power: &lt;48W EMI/RFI: Complies with FCC regulations for class-A devices Complies with EU EMC directive</p> <p><b>Physical (number of slots):</b> 2</p> <p><b>Enclosures:</b> 7800FR: 3RU chassis 7801FR: 1RU chassis</p>
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### 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)*