

5782DEC-H264HD-IPASI

Professional H.264 and MPEG-2 Decoder

The 5782DEC-H264HD-IPASI is a professional high quality *3G/HD/SD-SDI H.264/MPEG-2 decoder platform. It offers high end decoding support for both MPEG-2 and H.264/AVC optionally up to 4:2:2 10-bit.

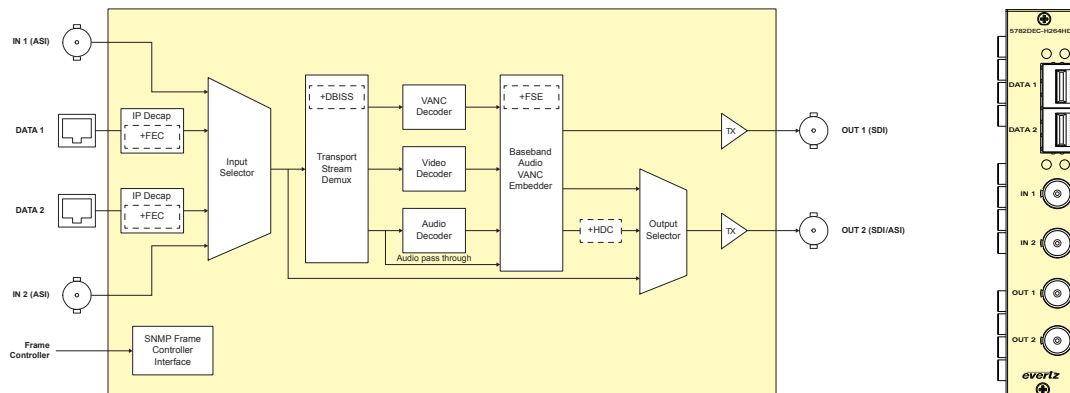
The 5782DEC-H264HD-IPASI is perfect for monitoring applications or decoding for downstream baseband video and audio processing.

The 5782DEC-H264HD-IPASI can be reconstructed in the most flexible way all VANC and HANC data in the baseband outputs.

The 5782DEC-H264HD-IPASI can be licensed to support high quality JPEG2000 decoding. All licenses can easily be factory- or field-upgraded for flexible support.

Features & Benefits

- 1x H.264/MPEG-2 video decoder up to 4:2:2 10-bit
- 2x ASI and IP inputs
- 2x *3G/HD/SD-SDI outputs
- Selection of decoded service
- Baseband outputs with embedded audio and ancillary data
- Frame Sync reference optional via frame distribution (+FSE)
- Fully integrated with the industry leading VistaLINK® PRO system
- Control via 570 frame controller



Specifications

Video Specifications:

Number of Inputs/Outputs:
 BNC: 2x ASI inputs
 2x *3G/HD/SD-SDI outputs
 2x GbE data ports (optional SFP)
 IP: SMPTE ST *425M/292M/259M,
 Standard: *3Gb/s, 1.485Gb/s, 270Mb/s,
 ASI per DVBS TR 101 891
 (Max 213Mb/s),
 Max Program BR —
 H.264/MPEG-2 — 80Mb/s,
 Max Program BR —
 J2K — 300Mb/s
 Max PIDs per program: 50
 Max programs per TS: 50
 Video Resolution: 1920x1080 @ 25, 29.97, *59.94Hz,
 1280x720 @ 50, 59.94Hz,
 720x576 @ 25Hz (ITU-R BT.656-4),
 720x480 @ 29.97Hz
 (SMPTE ST 125M)
 Ethernet Connector: RJ-45 auto-negotiation UDP/RTP,
 FEC per SMPTE ST 2022 (optional),
 SMPTE ST 2022-7 support
 (with the use of 2x SFP),
 SPTS / MPTS
 Video Decompression: H.264/MPEG-2 4:2:0
 H.264/MPEG-2 4:2:2 8-bit (optional)
 H.264 4:2:2 10-bit (optional)
 Profile/Level: MP@ML up to Hi422P@4.1

Audio Specifications:

Number of Channels: 8x PIDs of audio processing across
 16x channels of embedded PCM
 Compression Formats: MPEG-1 Layer 2
 Dolby Digital AC3 up to 3/2L
 Passthrough
 PCM
 Dolby Digital
 Dolby-E
 Optional: Dolby-E decode, AAC-LC

Ancillary Specifications:

Embedding of: Audio passthrough
 Closed caption/Teletext
 SCTE 35 to 104 (optional)
 AFD/WSS
 Timecode

High Quality Down Convert (+HDC):

Down Conversion: SMPTE ST 292 to ST 259
 Aspect Ratio: Fixed scalar or follow AFD

Configuration & MGMT:

SNMP: VistaLINK® PRO remote control
 and monitoring via frame controller

Electrical:

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

Physical (number of slots):

570FR: 1
 S570FR: 1

*Options Available	
Without +3G/+J2KD	With +3G /+J2KD
+8B422	+8B422
+10B422	+10B422
+AAC	+AAC
+DD	+DD
+SCTE104	+SCTE104
+FSE	+FSE
+DBISS	n/a
+FEC	n/a
+HDC	n/a

Ordering Information

5782DEC-H264HD-IPASI 3G/HD/SD H.264 and MPEG-2 Decoder

SFP Modules (sold separately):

SFPTR-RJ45-SGM-AV 1x 10/100/1000 Ethernet copper RJ-45 for IP streaming

Ordering Options:

+8B422 4:2:2 8-bit chroma decoding
 +10B422 4:2:2 10-bit chroma decoding
 +AAC AAC audio decoding
 +DD Dolby-E 8-channel decoding
 +SCTE104 SCTE 35/104 translation capability
 +DBISS BISS 1/E descrambling capability
 +FEC Forward Error Correction capability
 +FSE Frame Sync reference capability
 +HDC High quality down convert
 +3G *1080p 59.94 resolution capability
 +J2KD JPEG2000 decoding

Accessories:

570FC 3RU multiframe controller (necessary for SNMP control)
 VistaLINK® PRO Network Management Software
 VistaLINK® CSM Compression System Manager

Enclosures:

570FR 3RU multiframe, holds up to 15x single-slot modules
 S570FR 1RU multiframe, holds up to 2x single-slot modules