

5782ENC-H264HD-IPASI

Professional Contribution H.264 and MPEG-2 Encoder

Industry Leading Video and Audio Compression

The 5782ENC-H264HD-IPASI has been designed to deliver “best in breed” video and audio compression technology to lead the contribution market space, offering the very best video quality, latency and bandwidth utilization.

Flexible Architecture

5782ENC flexible architecture offers both MPEG-2 and H.264 (MPEG-4 Part 10) user configurable video compression at up to 10-Bit 4:2:2 resolution. Concurrently, with latencies as low as 215ms end to end, the 5782ENC becomes an ideal compression solution for low latency contribution requirements.

Wide Variety of Audio Compression

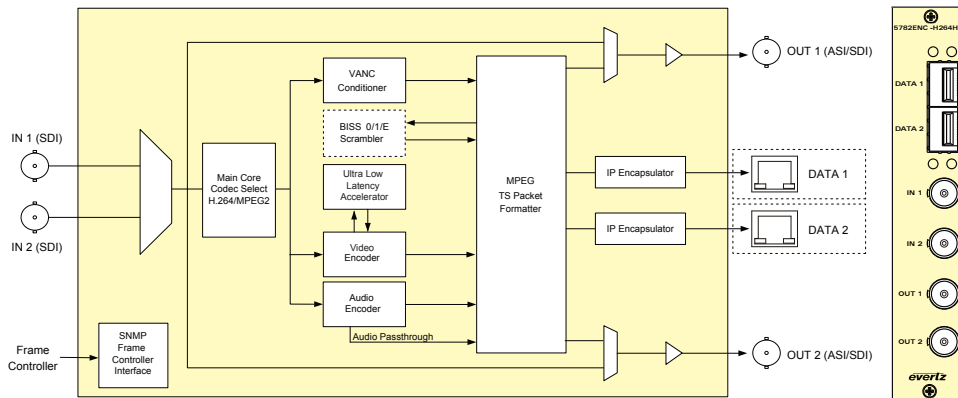
The 5782ENC supports audio encoding of up to 16 embedded channels using a wide variety of audio compression cores including, but not limited to, MPEG1L2, Dolby-E/AC-3, AAC and audio pass-through.

Fully Feature Upgradable

As a base model the 5782ENC must be purchased with a choice of Channel Key to unlock a desired level of chroma encoding. The 5782ENC is fully feature upgradable in the field, allowing for a cost-effective migration up to a fully optioned platform capable of 422 10b with ASI and IP out. The 5782ENC offers the best performance and versatility available from a world class contribution encoder.

Features & Benefits

- 1x High quality H.264 or MPEG-2 encoder up to 4:2:2 10-bit
- 2x HD/SD-SDI inputs
- Support for multiple audio codecs including AAC and Dolby
- Fully integrated with the industry leading VistaLINK® PRO system
- Compact 1 slot design compatible with the Evertz 570FR
- Control via 570FC controller



Specifications

Video Specifications

Number of Inputs/Outputs:

BNC:	2x HD/SD-SDI Inputs 2x ASI Outputs
IP:	2x GbE Data Ports (Optional SFP)
Standard:	SMPT 292M/259M 1.485Gb/s, 270Mb/s ASI per DVB TR 101 891 (Max 80Mb/s)
Video Resolution:	1920x1080 @ 25, 29.97 1280x720 @ 50, 59.94 720x576 @ 25Hz (ITU-R BT.656-4) 720x480 @ 29.97Hz (SMPT 125M)
Video Compression:	MPEG-2 4:2:0 MPEG-2 4:2:2 8bit (Optional) H.264/MPEG-2 AVC 4:2:0 H.264 / MPEG-2 AVC 4:2:2 8bit (Optional) H.264 AVC 4:2:2 10bit (Optional)
Profile / Level:	MP@ML up to Hi422P@4.1
Encryption:	BISS 1/E (optional)

Audio Specifications

Number of Channels:	8x PIDs of audio processing across 16x Channels of Embedded PCM
Compression Formats:	MPEG-1 Layer 2 Passthrough PCM Dolby-E Dolby Digital
Optional:	Dolby Digital AC-3 up to 3/2L Dolby-E Dolby Digital Plus AAC-LC, HE-AAC v1, v2

Ancillary Specifications

Embedding of:	Audio Pass Through Closed Caption/Teletext AFD/WSS Timecode SMPT 2038 SCTE 104 (Optional)
---------------	--

Ethernet

Optional Ethernet Connector:	RJ-45 auto-negotiation UDP/RTP FEC SMPT-2022 (Optional) SPTS / MPTS
------------------------------	--

Configuration & Management

Web Server:	Web control capable via 570 Frame Controller Interface VistaLINK remote control and monitoring via Frame Controller Compression System Manager Requires VistaLINK Pro Base
SNMP:	
CSM:	
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:	1
570FR:	

Ordering Information

5782ENC-H264HD-IPASI

Professional HD/SD-SDI H.264 and MPEG-2 Encoding Platform

Channel Keys

ENC-CK-H264HD:	Channel Key for H.264 or MPEG-2 8bit 4:2:0 Encoding
ENC-CK-8B422:	Channel Key for H.264 or MPEG-2 8bit 4:2:2 Encoding
ENC-CK-10B422:	Channel Key for H.264 10bit 4:2:2 Encoding

Firmware Keys

ENC-FK-IPOUT:	Feature Key to Enable IP Output.
ENC-FK-AC3E:	Feature Key for Dolby Digital AC-3 Encoding up to 5.1 (3/2L)
ENC-FK-DEE:	Feature Key for Dolby-E Encoding
ENC-FK-AAACE:	Feature Key for AAC LC and HE, v1, v2 Encoding
ENC-FK-FEC:	Feature Key for Forward Error Correction per SMPT-2022
ENC-FK-EBISS:	Feature Key for BISS 1/E Encryption

SFP Modules (sold separately)

SFPR-RJ45-SGM-AV: 1x 10/100/1000 Ethernet Copper RJ45 for IP Streaming Output

Accessories

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

Enclosures

570FR:	3RU Multiframe which holds up to 14 modules
--------	---