



KEY BENEFITS

- End-to-end Latency
(format dependent)
- Up to 50% bit-rate
reduction compared
with h.264
- Encoding of 4x
simultaneous HD signals
from a single 1RU unit
(QuadSync® mode)
- True 4K/UHD Encoding
with HDR (OPTION)
- IP and DVB-ASI Out
- SRT stream encoding
- Comprehensive
touch-screen front
panel display
- Optional ST-2110
interface
- Legacy h.264 Encoding

AXIS HEVC ENC

AXIS Encoder HEVC is a broadcast quality H.265 Encoder, offering exceptional compression ratios on video resolutions up to 4K UHD.

The AXIS Encoder is ideal for remote production applications over leased lines or satellite, handling 4x HD feed with ultra-low latency.

AXIS Encoder is a feature-rich family of professional broadcast encoders and decoders. AXIS Encoder encoders can stream across dual networks using a variety of IP formats including SRT.

For legacy systems and satellite modem connection the AXIS Encoder encoder is equipped with ASI inputs and outputs. Built in encryption mechanisms such as BISS and DES can be employed to protect valuable content.

The unique quad mode allows four non-synchronous HD inputs to be encoded with end-to-end latencies, this high density and low latency of encoding is ideal for the coverage of live sporting events.

Each video output can support 2 stereo pairs of embedded audio or a single video can support 8x stereo pairs. AXIS Encoder can also be equipped with an optional analogue audio interface allowing two stereo analogue audio outputs.

The separate control port offers web browser control and a front panel is supplied for local control and monitoring.

AXIS HEVC ENC | KEY FEATURES

CONNECTORS

VIDEO OUT 1-4	3G / 12G SDI HD-BNC x 4
ASI OUT	HD-BNC
GENLOCK	HD-BNC
STREAM 1 / 2	1000Base-T Ethernet RJ45 x 2
CONTROL	1000Base-T Ethernet RJ45
SERIAL DATA	9-way D-type female
ANALOGUE AUDIO IN/OUT	3x Hirose 6W Female <i>Optional</i>

VIDEO ENCODER

PROFILES	4K UHD. 4:2:2/4:2:0, 8/10-bit 2160p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 HD. 4:2:2/4:2:0, 8/10-bit 720p / 50 / 59.94 / 60 1080i / 50 / 59.94 / 60 1080p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 SD 4.2.2/4 2 0 480i / 29.97 576i / 25
----------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

AUDIO ENCODER

FORMAT	Embedded
DECODER	8 pairs LPCM/MPEG1-L1/MPEG1-L2

ANALOGUE AUDIO

AUDIO INPUTS	2x pairs, Mic/Line-level
--------------	--------------------------

STREAM INPUTS/ OUTPUTS

DVB_ASI	
IP INTERFACE	1 x 1000Base-T Ethernet
IP STREAM FORMAT	Unicast/Multicast/UDP/RTP/SRT
IP STREAM RATE	120Mb/s maximum

HDR/WGC SUPPORT

Rec. ITU-R BT2100-2 (PQ and HLG)
Rec. ITU-R BT2020

CONTROL

FRONT PANEL TOUCH-SCREEN

REMOTE	IP web-browser Control RS232
--------	--------------------------------

POWER

DC IN	9-36VDC
-------	---------

