



KEY BENEFITS

- End-to-end latencies
- Up to 50% bit-rate reduction compared with h.264
- Decoding of 4x simultaneous HD signals from a single 1RU unit
- Reception of true 4K UHD signals with HOR
- IP and DVB-ASI in
- SRT stream decoding
- Comprehensive touch-screen front panel display
- Optional ST-2110 interface



AXIS HEVC DEC



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

The AXIS Decoder is ideal for remote production applications over leased lines or satellite, handling 4xHD with ultra-low latency.

AXIS Decoder is a feature-rich family of professional broadcast encoders and decoders, able to stream across dual networks using a variety of IP formats including SRT. For legacy systems and satellite modem connection, the AXIS Decoder encoder is equipped with ASI inputs and outputs. Optional encryption mechanisms such as a BISS and DES can be employed to protect valuable content.

AXIS Decoder is ultra-compact and in QuadSync mode can deliver up to 4x decoded HD signal streams in a single 1RU enclosure allowing it to be integrated with minimal disturbance to existing rack layouts. AXIS Decoder's unique QuadSync mode encodes 4x non-synchronous HD signals of differing formats (frame-rate must be the same) and at the decode side, output is then converted to a single production format and is fully synchronized. There is a genlock input for studio synchronization.

Each video output can support 2 stereo pairs of embedded audio or a single video can support 8x stereo pairs. AXIS Decoder 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 touch-screen front panel is supplied for local control and monitoring.

AXIS HEVC DEC | 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
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AUDIO DECODER

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

ANALOGUE AUDIO

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

DC IN	9-36VDC
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