

UltraDecoder

HEVC Decoder

The Vislink UltraDecoder is the new, ultra-lightweight 1RU, ½ rack HEVC & 4K UHD capable decoder. The unit uses the latest advanced HEVC decoding techniques to offer up to 50% bit rate reduction compared to H.264, resulting in the delivery of high quality video at low bit rates. Pairing the unit with the Vislink UltraCoder provides a complete end-to-end HEVC & 4K UHD encode and decode solution.



Key Features

- Capable of decoding 4K UHD, HD & SD video
- The product uses the latest advanced HEVC decoding techniques to offer 50% bit rate reduction compared to H.264
- The ability to decode one 4K UHD or 1 HD video channel
- The UltraDecoder can be used with the UltraCoder to provide a complete end to end encode and decode solution

Typical Applications

- Newsgathering
- ENG
- IP Networks

Video Parameters

Video Decoder profiles

- 4K UHD
 - Main 10 - 8/10bits 4.2.0 ,1.0-50Mbps
- HD
 - Main 10 - 8/10bits 4.2.0 1.0 - 50Mbps
- SD
 - 4.2.0 Main 0.5 - 6Mbps

Video Formats

- 480i / 29.97
- 576i / 25
- 720p / 50 / 59.94 / 60
- 1080i / 50 / 59.94 / 60
- 1080p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
- 2160p / 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60

IP Interfaces

Video

Type

- 10 / 100 / 1000 Base-T Ethernet

Protocol

- IEEE802.3 Ethernet
- Encapsulation for ASI - RTP (RFC2250), ARP, IPv4, IGMPv2/3, TCP/UDP
- MultiCast

Audio Parameters

Audio Decoder

- ISO 14496-3 2006 (HE-AAC)

Audio Outputs

- Embedded 4 pairs in SDI
- Embedded 4 pairs in HDMI

Flexibility

Remote Control

- Ethernet
 - HTTP
 - SNMP

Outputs

- HDMI 1.4 (UHD)
- Mini BNC (SD & HD) X 2
- RJ45 (IP)
- BNC (ASI)

Licenses

- The following license is available on the UltraDecoder:
 - BISS 1/E decryption

Environmental & Physical

Dimensions

- 210mm wide by 350mm deep (8.27" wide by 13.78" deep)
- 1RU, ½ rack

Weight

- 1.9kg approx. (4 lbs)

Temperature

- Operational:
 - 0°C to 50°C (32°F to 122°F)
- Storage:
 - -20°C to 70°C (-4°F to 158°F)

Power

- <100VA
- 90 to 264 Vac
- 50/60 Hz