The decoder corresponds to H.265/HEVC main 4:2:2 10bit and 4K/60p.
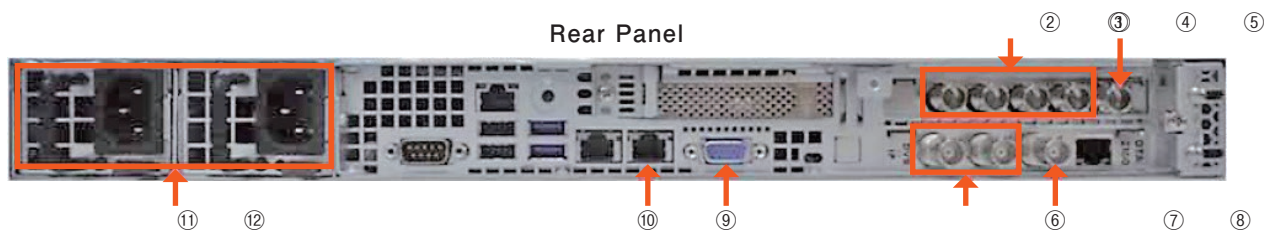
4K Video Contents Decoder Appliance

HEVC Decoder UHD-1500

UHD-1500 is a UHD/FHD/HD/SD decoder corresponding to HEVC main 4:2:2 10bit profile for the first time in the world, in order to meet the request which transmits the high realistic sensation of these days. It corresponds also to the frame rate of 60p, and can respond to a pacey sport video image etc. It corresponds to various frame rates (50fps, 59.94fps, 60fps, etc.), and you mount functions, such as PID selection, a genlock and local file reproduction, and can use for public viewing, material transmission, monitoring of a transmission signal, etc.

POINT 1 DVB-ASI Input, 3G-SDI output and Genlock for broadcasting Infrastructure.

POINT 2 H.265/HEVC Main 422 10 profile for contributor.

POINT 3 Supports a variety of video sizes and framerate, such as 2160p(UHD)/1080p/1080i/720p/576i and 50fps/59.94fps/60fps, etc.

POINT 4 Up to 16ch Audio decoding.

■ Product Appearance

Rear Panel

1. SDI - SYNC	5. SDI - OUT4	9. D-Sub
2. SDI - OUT1	6. ASI - IN	10. Ether-2
3. SDI - OUT2	7. ASI - OUT1	11. AC/Main PowerSW-1
4. SDI - OUT3	8. ASI - OUT2	12. AC/Main PowerSW-2

■ Specifications

Supported Standards

System	ISO/IEC13818-1 (MPEG-2 SYSTEM TRANSPORT STREAM)
Video	ISO/IEC 23008-2 (H.265 / HEVC)
Audio	ISO/IEC13818-7 (MPEG-2 AAC) LC Profile, ISO/IEC11172-3 (MPEG-1 audio Layer2)

Video Specifications

Video Format	3840x2160 @ 60p/59.94p/50p/30p/29.97p/25p 1920x1080 @ 60p/59.94p/50p 1920x1080 @ 60i/59.94i/50i 1280x720 @ 60p/59.94p/50p 720x480 @ 59.94i 720x576 @ 50i
Profile & Level	Profile: Main, Main 10, Main 4:2:2 10 Level: 5.1/5/4.1/4/3.1/3
Video Output	Compliant with SMPTE259:2008, SMPTE292-1:2012, SMPTE ST 424:2012 and ST425-1:2011 (Level A) BNC Connector (75Ω), terminal

Audio Specifications

Audio Output	Embedded Audio
	Max 16ch in max 8 streams
	  2ch x 8 steams
	  5.1ch + 2ch x 5 streams
	  5.1ch x 2 streams + 2ch x 2 streams
	Available Audio Channel mapping with Web UI

Decode CH	Embedded
Sampling Frequency/Bit	48kHz / 16bit
Pass-through	Not yet supported

TS Specifications

Input Interface	DVB-ASI: BNC x1 (0.8Vp-p 75Ω)
Stream Type	MPEG-2 TS (188byte) (No Reed-Solomon error correction function)
Maximum Multiplicity	Video:4, Audio:4 (However, for playback, select Video: 1, Audio: 1)

Other Specifications

USB Playback	Playback by connecting a USB device that contains the bit stream file and selecting the file using the keyboard or mouse.
Alarm Output	Log File Output
External Reset	Press and hold the power button to reset
IP Input	Not Yet Supported
Closed Caption	Not Yet Supported
Ancillary Data	Not Yet Supported

Chassis Specifications

Dimensions/Weight	W437mm x H43mm x D650mm (excluding projections) /15kg
Power Source/Consumption	AC100-240V 50/60Hz / Maximum 750W
Operating Environment	Temperature: 5℃-35℃ / Humidity: 20%-80% (With no dew condensation)
Environmental Regulations	REACH Compliant

For more information, please contact

codec-sales@cs.ntt-tx.co.jp

https://www.ntt-tx.co.jp/products/UHD1500/

NTT TechnoCross Corporation

Media Innovation Business Department
Video Systems Company