



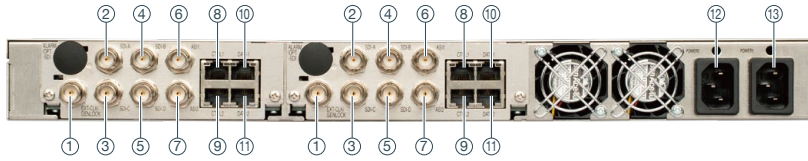
Multi-Channel HEVC Decoder

The best answer to deliver sporting events with high density of 4k x 2ch/HD x 8ch decoding in 1RU.

Key Features

- **Supports H.264/AVC HDTV/SDTV Decoding**
Up to 2 x 4K ch/8 x HD ch decoding in combination with HC32000 encoder. The perfect density always available for any transmission, such as sporting events, live events and news gathering.
- **Supports BISS-1, BISS-2/CA of encryption Industry standard format**
Supports BISS-2/CA which is the latest scrambling protocol to guaranteed the highest security of the stream.
- **Selectable audio formats and maximum 32ch discrete audio performance**
32ch audio is enough number to support global multi-language transmission. MPEG-1 LayerII and AA (at 2ch video encoding only) as an encoding format, and SMPTE302M and DolbyE pass though are supported
- **Seamless Protection Switching**
Complementing packet losses in 2 lines IP transmission for each other.
- **Dual Power Supply**
Built in Dual Power supply.

Rear Panel



- ① GENLOCK
- ② SDI A
- ③ SDI C
- ④ SDI B
- ⑤ SDI D
- ⑥ ASI1
- ⑦ ASI2
- ⑧ CTRL1
- ⑨ CTRL2
- ⑩ DATA1
- ⑪ DATA2
- ⑫ AC inlet1
- ⑬ AC inlet2

Specifications

Video	Output Interface	BNC: 3G-SDI (SMPTE ST 424)/HD-SDI (SMPTE ST 292)		
	Decode Method	H.265/HEVC	H.264/MPEG-4	
	Profile ; Level	Profile: Main 4:2:2 10, Main 10, Main Level : 5.1	Profile: High4:2:2, High10, High, Main Level : 4.2, 4.1, 4.0, 3.2, 3.0	
	Video Format @ Frame Rate	2160P(3840 x 2160)@50Hz, 59.94Hz ; max.2PES 1080P(1920x1080)@50Hz, 59.94Hz ; max.6PES 1080I (1920x1080)@25Hz, 29.97Hz ; max.8PES	1080I (1920/1440x 1080)@25Hz, 29.97Hz ; max.2PES	
Audio	Output Interface	Embedded Audio 16ch(SMPTE ST 299)		
	Decode Method	MPEG-1 L2: 1ch(Mono), 2ch(Dual Mono), 2ch(Stereo) ; max.16PES SMPTE302M: 2ch, 4ch, 6ch, 8ch ; max.8PES MPEG-2 AAC-LC: 1ch(1/0), 2ch(1+1), 2ch(2/0), 4ch(3/1), 5.1ch(3/2/1), 6ch(2/2/2); max.8PES MPEG-4 AAC-LC: 2ch(2/0), 4ch(3/1), 5.1ch(3/2/1); max. 8PES MPEG-4 HE-AACv1: 2ch(2/0), 5.1ch(3/2/1); max. 4PES MPEG-4 AAC-ELD: 2ch(2/0), 4ch(3/1), 5.1ch(3/2/1); max. 4PES		
Ancillary	Data Format	SMPTE ST 2038(at 2ch video decoding,1PES/TS)		
Transport Stream (TS)	Input Interface	DVB-ASI: BNCx2(0.8Vp-p 75Ω)		
	Input Type	MPEG-2 TS(188/204byte)		
	Maximum Number of TS	2TS		
	Maximum TS Rate(Per 1TS)	200.000Mbps		
	TS Decryption ^{OP1}	BISS-2 1/E/CA, BISS-1 1/E		
	TS over IP	Input Interface	100BASE-TX/1000BASE-T(RJ-45) x4	
		Network Features	IPv4: IGMPv2/v3, IPv6: MLDv2	
Transmission		RTP/UDP/IP(SMPTE2022-2-2007, RFC2250, RFC3550, RFC1889), Unicast/Multicast		
Error Correction		FEC(SMPTE2022-1-2007/Pro-MPEG COP#3 R2), ARQ		
Other	Seamless Protection			
Control	Local Control	LCD(20digits x 4/brightness control available)+ Front Switch(7 buttons) x2		
	Network Interface	100BASE-TX/1000BASE-T(RJ-45) x4		
	Remote Control	Web GUI, SNMP v1, Ping, Syslog		
Others	Dimensions	W:433 x H:44 x D:430(mm) (w/o Connector, Foot, Rack mount bracket)		
	Weight	8kg typ.		
	Supply Voltage	AC100V to 240V, 50/60Hz(Dual power supply for redundancy)		
	Power Consumption	300W max.		
	Operating Environment	0 to 45°C, 30 to 90% (non condensing)		
Compliance	RoHS, VCCI, FCC, ICES, CE, UL, CSA			

	Suffix	Option Name	Description
Software	OP1	HC3x000D_OP_BISS	BISS-2/-1 Decryption
	OP2	HC3x000D_OP_SEAMLESS	Seamless Protection

- Dolby is a trademark of Dolby Laboratories.
- Our company may change specifications and the appearance for improvement that are incidental to the product without providing prior notice. At the purchase and the use of the product, please confirm the latest information.
- Exporting our products or technologies may be subject to the Foreign Exchange and Foreign Trade Law of Japan and export control acts and regulations of other related countries.

Caution Please use our products in accordance with the instructions provided in the manual, user's guide or specifications attached.



NTT Electronics Corporation

Business Promotion Office, Digital Video Component Business Group
 New Stage YOKOHAMA, 1-1-32 Shin-urashimacho, Kanagawa-ku,
 Yokohama-shi, Kanagawa, 221-0031, Japan
 TEL: +81-50-9000-6004 FAX: +81-45-453-9651 E-mail: sys-info-w@ntt-el.com
 URL: <https://www.ntt-electronics.com/en/products/video/>