

MPEG-2 HDTV/SDTV Encoder/Decoder **H5000 / H5100 Series**

MPEG-2 HDTV/SDTV Encoder/Decoder

H5000 / H5100 Series

High Quality
with 4:2:2
Chroma



MPEG-2 HDTV/SDTV Encoders/Decoders with High Quality and High Performance.

The H5000/H5100 Series of HDTV/SDTV Encoders/Decoders are compact, lightweight supporting a wide range of various applications for the worldwide broadcasting industry.

- Superior Performance Encoding and Decoding utilizing NTT Electronics VASA Single Chip
- Rapid Boot-Up
- Compatible with Video Formats including 1080p, 1080i, 720p, 576i & 480i
- Improved Cinema Content capabilities such as 1080p/24 Video format and 3.2 Pull Down Function
- Front Display Panel User Operation Friendly
- Easier Network Maintenance with Built-In SNMP Functionality and HTTP Menu
- Secure Satellite Communications with Built-In BISS-I/E Functionality (optional)
- Ancillary Data Transmission
- ROHS Compliant



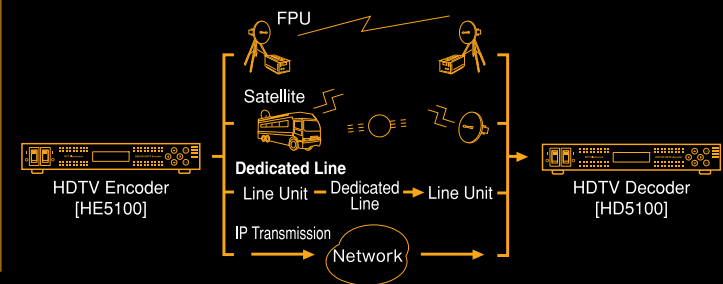
SDTV companion model **SCE5000**

 **NTTElectronics**

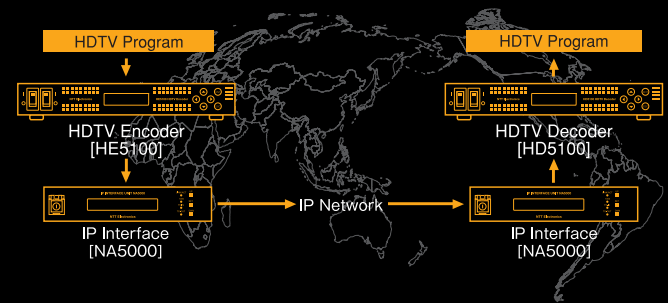
Creator of *Real High Definition* 

Application

Contribution / Live Transmission

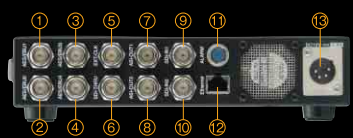


Contribution/Live over IP



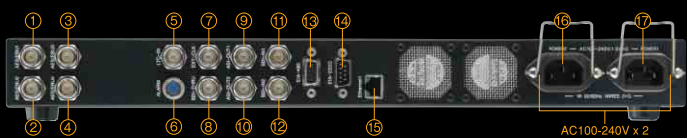
Rear Panel

HE5000



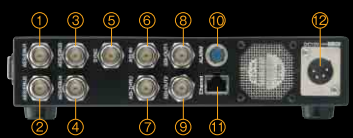
- ① AES/EBU1
- ② AES/EBU2
- ③ AES/EBU3
- ④ AES/EBU4
- ⑤ EXT-CLK
- ⑥ SDI-THRU
- ⑦ ASI-OUT1
- ⑧ ASI-OUT2
- ⑨ SDI-IN1
- ⑩ SDI-IN2
- ⑪ ALARM
- ⑫ Ethernet (for Operation)
- ⑬ DC12V 3.8A

HE5100



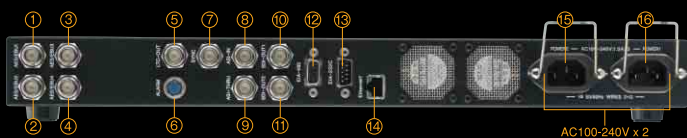
- ① AES/EBU1
- ② AES/EBU2
- ③ AES/EBU3
- ④ AES/EBU4
- ⑤ LTC-IN
- ⑥ ALARM
- ⑦ EXT-CLK
- ⑧ SDI-THRU
- ⑨ ASI-OUT1
- ⑩ ASI-OUT2
- ⑪ SDI-IN1
- ⑫ SDI-IN2
- ⑬ EIA-485
- ⑭ EIA-232C
- ⑮ Ethernet1 (for Operation)
- ⑯ POWER2
- ⑰ POWER1

HD5000



- ① AES/EBU1
- ② AES/EBU2
- ③ AES/EBU3
- ④ AES/EBU4
- ⑤ SYNC
- ⑥ ASI-IN
- ⑦ ASI-THRU
- ⑧ SDI-OUT1
- ⑨ SDI-OUT2
- ⑩ ALARM
- ⑪ Ethernet (for Operation)
- ⑫ DC12V 3.8A

HD5100



- ① AES/EBU1
- ② AES/EBU2
- ③ AES/EBU3
- ④ AES/EBU4
- ⑤ LTC-OUT
- ⑥ ALARM
- ⑦ SYNC
- ⑧ ASI-IN
- ⑨ ASI-THRU
- ⑩ SDI-OUT1
- ⑪ SDI-OUT2
- ⑫ EIA-485
- ⑬ EIA-232C
- ⑭ Ethernet (for Operation)
- ⑮ POWER2
- ⑯ POWER1

Main Specifications

	Encoder	Decoder	Specification	
Video	Input Format	Output Format	HD-SDI(SMPTE292M) SD-SDI(SMPTE259M)	
	Encoding Format	Decoding Format	MPEG-2 Video	
	Profile / Level		HD : MP@HL, 422P@HL / SD : MP@ML, 422P@ML	
	Video Format		1080p/1080i : 1920/1440 x 1080 720p : 1280 x 720 576i : 720 x 576 512i : 720 x 512 480i : 720 x 480	
	Frame Rate		1080p: 23.98/24 (SMPTE274M) 1080i : 25/29.97/30 (SMPTE274M) 720p : 50/59.94/60 (SMPTE296M) 576i : 25 (ITU-R BT.656-4) 480i/512i : 29.97 (SMPTE125M)	
	Encoding Mode	_____	CBR	
Audio	Input Format	Output Format	Embedded Audio : 8ch (SMPTE299M/272M) AES/EBU : 8ch	
	Encoding Format	Decoding Format	MPEG-1 Layer II (1ch/2ch(dual-mono, stereo)) MPEG-2 BC (1ch/2ch(dual-mono, stereo)) MPEG-2 AAC (ENC : 1ch/2ch/5.1ch, DEC : 1ch/2ch/4ch/5.1ch/6ch) SMPTE 302M (2ch/4ch/6ch/8ch) (Max. 2PES, Up to 8ch)	
System	Output Stream Type	Input Stream Type	MPEG-2 TS (188/204 byte)	
	Output Interface	Input Interface	DVB-ASI	
	Max. Output Rate	Max. Input Rate	HDTV 160Mbps SDTV 50Mbps	
Internal Test Signal		_____	Video : Color bar Audio : 1kHz Sing wave	
Control	Local Operation		Power ON/OFF, Front Control Key	
	Remort Operation		SNMP, Web GUI	
Dimension			HE5100/HD5100 : 1U 19" Full-rack size (W432mm x D500mm x H44mm) HE5000/HD5000 : 1U 19" Half-rack size (W210mm x D500mm x H44mm)	
Weight (typical)			HE5100/HD5100 : 6kg HE5000/HD5000 : 3kg	
Power Source			HE5100/HD5100 : AC 100~240V HE5000/HD5000 : DC12V(10.5~16.0V), Available to use an AC adapter	
Power Consumption			HE5000/HE5100 : 45W/60W HD5000/HD5100 : 35W/50W	

**Caution**

- In order to ensure correct and safe use, be sure to read the User's manual before use.
- Do not install in locations exposed to water, humidity, steam, dust, or mist. Doing so could cause fire, electric shock, or equipment failure.

- Features and specifications subject to change without notice for improvement.
- When exporting our products or technologies, you should comply with the "Foreign Exchange and Foreign Trade Law."



NTT Electronics Corporation

Multimedia Business Division, Sales Department

9F Pacific Marks Yokohama East, 3-12 Sakae-cho
Kanagawa-ku, Yokohama-shi, Kanagawa 221 0052, Japan
TEL : +81 45 453 3685 FAX : +81 45 453 3635
E-mail : mm_i@yoko.nel.co.jp
URL : http://www.nel-world.com

Sales Agent

