

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's VASA Single Chip
- Quick Boot-up
- Multiple video format compatibility including 1080p, 1080i, 720p, 576i & 480i
- Improved Cinema Content capabilities
 - 1080p/24 Video format
 - 3:2 Pull Down Function
- User Friendly Front Panel Operation
- Easier Network Maintenance with Built-In SNMP Functionality and Web based GUI
- High Level Security for Satellite Communications with BISS-1/E Functionality (optional)
- Ancillary Data Transmission Support
- RoHS Compliant



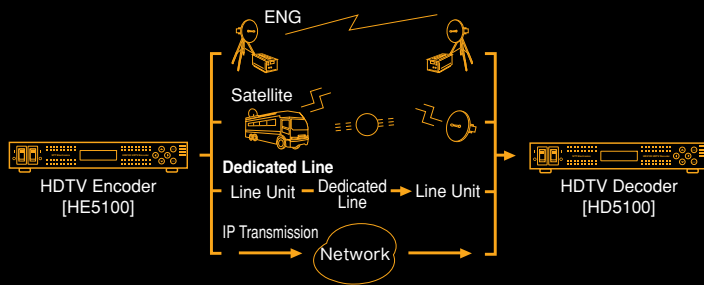
SDTV companion model **SCE5000**

 **NTTElectronics**

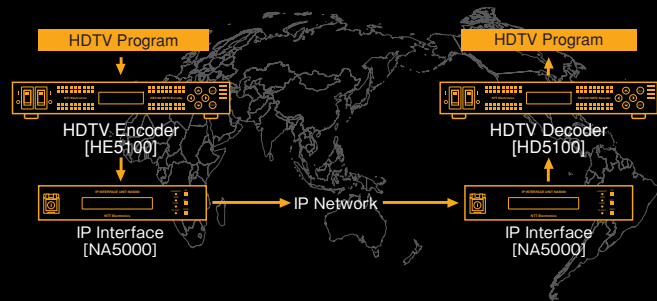
Creator of *Real High Definition* 

Application

Contribution / Live Transmission

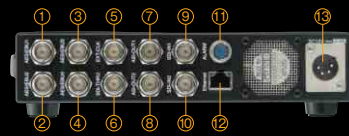


Contribution/Live over IP



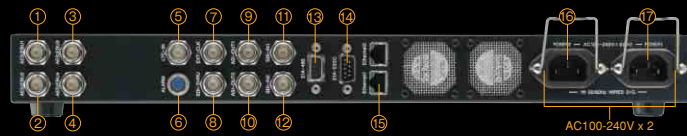
Rear Panel

HE5000



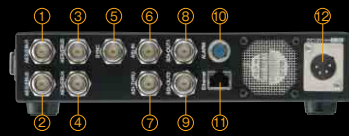
- ① AES/EBU1 ④ AES/EBU4 ⑦ ASI-OUT1 ⑩ SDI-IN2 ⑬ DC12V 3.8A
- ② AES/EBU2 ⑤ EXT-CLK ⑧ ASI-OUT2 ⑪ ALARM
- ③ AES/EBU3 ⑥ SDI-THRU ⑨ SDI-IN1 ⑫ Ethernet (control)

HE5100



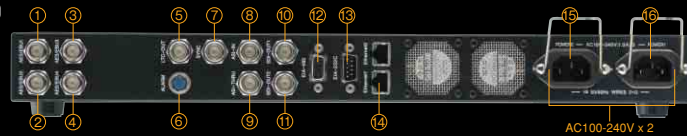
- ① AES/EBU1 ④ AES/EBU4 ⑦ EXT-CLK ⑩ ASI-OUT2 ⑬ EIA-485 ⑯ POWER2
- ② AES/EBU2 ⑤ LTC-IN ⑧ SDI-THRU ⑪ SDI-IN1 ⑭ EIA-232C ⑰ POWER1
- ③ AES/EBU3 ⑥ ALARM ⑨ ASI-OUT1 ⑫ SDI-IN2 ⑮ Ethernet1 (control)

HD5000



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

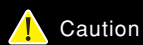
HD5100



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

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 : 1920 x 1080 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)
Audio	Encoding Mode		CBR
	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 (1ch/2ch (dual-mono, stereo) /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 Power ON/OFF, Front Control Key
Control	Local Operation		
	Remot 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, 50Hz/60Hz 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 Systems 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

