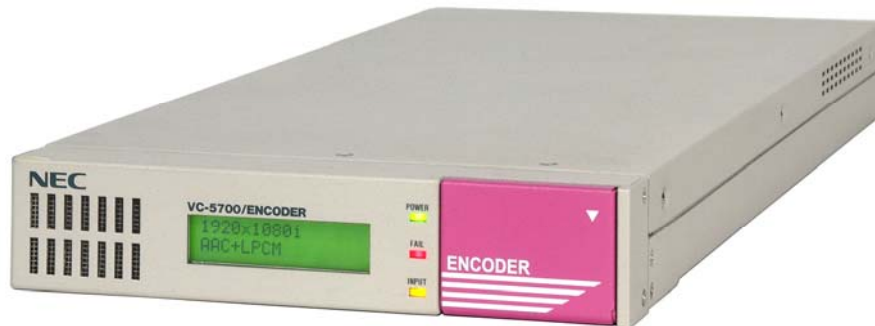


## VC-5700 / MPEG2 ENCODER



### Overview

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The VC-5700 is a compact MPEG2 Encoder with half rack size. Since lightweight and low power consumption, it is the best solution for the portability. Since Image coding can correspond to both HDTV and SDTV, it can attain simplification of equipment. AAC/BC/Layer2/LPCM (SMPTE302M-2002) is adopted as audio coding, and it can be freely chosen as it according to a use or interface circuit. Though it is compact size, it has the ancillary data-transmission function, so transmission of VBI data (e.g. digital subtitle data) can be performed.

### Features

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- Compact size : 210×450×44(mm) approximately 3.1kg  
half rack size chassis
- Low Power Consumption : about 35W Operation
- Two types of model : AC power and DC12V power
- HDTV(1080i/720p) and SDTV(480i) supported
- At SDTV, 483 Full Line transmission is available
- Ancillary Data : VBI data can be transmitted.
- Audio : MPEG2-AAC/MPEG2-BC/MPEG1-Layer2/SMPTE302M-2002
- Asynchronous Audio : Input asynchronous audio with video is available.
- Various audio input : SDI Embedded Audio/AES-3 signal  
/Analog Audio input
- TS Rate : Max. 160Mbps

# Specifications

Input signals			
Video signal			
HDTV:1080i/720p	SMPTE292M	BNC×1	Input connector for HDTV/SDTV
SDTV:480i	SMPTE259M (D1 serial)		
Audio signal			
Digital	AES-3	BNC×4	4 <sup>th</sup> connector is used alternately AES input and TX-clock. Group1,Group2 corresponded.
	SDI Embedded	8ch	
Analog	0dBm/600Ω balanced x2ch	XLR-5×1	Input level =+4dBm is available.
Ancillary Data			
VBI signals	ARIB TR-B22, B23		
Transport clock signal			
TX-clock	160MHz(max) 0dBm/75Ω	BNC×1	4 <sup>th</sup> connector is used alternately AES input and TX-clock.
Control Signal			
Control 1	Ethernet	RJ-45	100Base-TX/10Base-T
Control 2	RS-232C	Dsub9P	
Output signals			
Video Signal (Monitor output)			
HDTV:1080i/720p	SMPTE292M	BNC×1	HDTV/SDTV both output connector
SDTV:480i	SMPTE259M (D1 serial)		
Coding bit stream			
TS Stream	DVB-ASI	BNC×2	
Encode			
Video encoding			
Encoding method	MPEG2 MP@HL,422P@HL, MP@ML,422P@ML		In case of SDTV, 512Line coding is available
Audio encoding			
Encoding 1	MPEG2 AAC LC-profile	Max.6ch (5.1ch possible)	2ES Transmission is available. AAC+LPCM BC+LPCM Layer2+LPCM Layer2+ Layer2
Encoding 2	MPEG2 BC	5.1ch	
Encoding 3	MPEG1 Layer2	2ch	
Encoding 4	LPCM (SMPTE302M-2002)	Max. 8ch	
Multiplex			
Multiplex	MPEG2-TS		Max 160Mbps
General			
Power	AC power model	AC85 – 264V 50/60Hz	
	DC power model	DC 10.7 – 17V	
Power Consumption		Approx. 35W	
Operation temperature		0°C - 50°C (non-condensing)	
Dimensions		210(W)×450(D)×44(H) mm	
Weight		Approx. 3.1kg	

Product Name AC power model : VC-5700-AC  
DC power model : VC-5700-DC

NEC maintains a policy of product improvement and reserves the right to modify the specifications without prior notice.

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