

# Multi-Channel H.264 HD Encoder

## GN-1848

GN-1848 is a cost-effective digital TV encoder with broadcast quality. It can perform 4/8/12 channels of HD low bit rate A/V encoding and multiplexing, and each sub-board supports multiplexing of 4 channels of A/V TS and 2 channels of ASI TS, and it outputs through 1 IP channel and 2 ASI channels after multiplexing. Some operators mainly adopt or purchase programs from the superior operator, and they have few independent programs. For these operators, they can adopt this product to construct digital TV head-end with convenient operation, very low cost and very little time, to provide first-rate and reliability HD/SD video service on various head-end applications. The Web and SNMP management are also supported.

Front Panel View of GN-1848:



Rear Panel View of GN-1848:



## Main Features :

- 4/8/12 independent channels of video/audio input ports (HDMI interface, the number of channel is defined by user).
- Support video HD encoding: H.264.
- Support VBR/CBR video encoding.
- Supported resolution: various common formats.
- Supported audio encode format: AC3 Bypass, MPEG-1 L2, AAC.
- Support audio sample rate: 32KHz, 44.1KHz, 48KHz
- LCD-display front panel, to real-time monitor & configure the system status and parameter locally.
- Web-based remote management and control
- Malfunction alarm display
- Power failure memory recovery

## Technical Specifications:

<b>Input Interface (Single sub-board)</b>	
Number of ports	2
Connector Type	BNC-Female
<b>HDMI Output (Single sub-board)</b>	
Number of Ports	4
Connector Type	HDMI (TYPE A)
Standard of Interface	Conform to HDMI 1.3, compatible with S/PDIF(IEC90658)
<b>ASI Output(Single sub-board)</b>	
Number of ports	2
Connector Type	BNC-Female
<b>IP Output(Single sub-board)</b>	
Number of Ports	1
Connector Type	RJ-45 10/100 Base-T
Format	MPEG TS-over-IP
Encoding Output Resolution	Auto 1920*1080P50 1920*1080P59.94 1920*1080P60 1920*1080I50 1920*1080I59.94

	1920*1080I60 1280*720P50 1280*720P59.94 1280*720P60 720*576I 720*480I
<b>Output Rate</b>	
Encoding Output Rate	2~60Mbps
Multiplexing Output Rate	2~150Mbps
<b>Management</b>	
Connector Type	RJ-45 10/100 Base-T
Number of ports	1
<b>Power</b>	
Input Voltage Range	100~240V AC
Input Frequency Range	50/60Hz
Typical Consumption	≤50W
<b>Environmental</b>	
Operating Temperature Range	0°C~45°C
Storage Temperature Range	-20°C~80°C
Operating Humidity	10%~90%, no condensation
<b>Physical</b>	
Dimension (W x H x D)	483mm x 44.5mm x 400mm
Weight	About 5.0Kg

