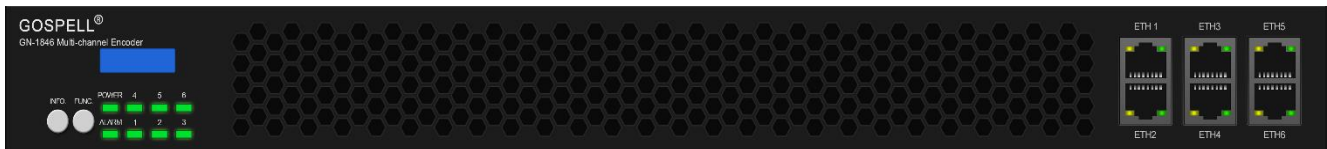


GN-1846

High-Density H.264 Encoder



Product Overview

The GN-1846 is a multichannel H.264 high-definition encoder. It can perform up to 4 high-definition and low-bit-rate audio and video encoding functions on a single board. Support 4-channel audio and video coding, encoded audio and video ES packet by TS flow through an IP channel to UDP/RTMP output, in device management, support Web network management, and support for online control program upgrades.

The GN-1846 features high density, flexible and superior performance, each module with four HD encoding channels, and with a maximum 24 channels of MPEG-4 AVC encoding in 1RU. It supports HDMI input options, GN-1846 supports Web browser management for local and remote management and maintenance, which can greatly reduce the management time, as well as enabling lower operating expenditure (OPEX) for operators.

Main Features

- 1RU modular design, supporting up to six pluggable encoding modules
- Supports up to 24 MPEG-4 AVC HD encoding channel in 1RU
- Supports HDMI input options
- MPEG-1 Layer II audio encoding
- MPEG TS-over-UDP/RTP/RTMP output, supporting SPTS mode
- Supports VBR/CBR video encoding
- Up to 10Mbps of video encoding rate for each channel
- Supported video encoding resolutions: 1080P30, 1080P25, 720P30, 720P25
- Web management for remote management and maintenance

Technical Specifications

Chassis

Expansion Slot	3 x Pluggable Encoding Module Slot
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Encoding Module

Digital Video & Audio Input Option

	4 x HDMI 1.3
HDMI*	Type A receptacle
	S/PDIF(IEC90658)

IP Output

Number of IP Output	1 x 100/1000 Base-T Ethernet(RJ-45)
MPEG TS Format	7 x 188Byte
IP Encapsulation	MPEG TS-over-UDP/RTP/RTMP
MPEG TS Mode	SPTS
Addressing	Unicast, Multicast (IGMPv1, v2, v3)

Video Encoding

Encoding Formats	MPEG-4 AVC : HP/MP/BASE
Resolution and Frame Rate	1920 x 1080P@30/25ps 1280 x 720p@30/25fps
Encoding Rate Mode	CBR, VBR
Video Encoding Rate	1 to 10Mbps per program

Audio Encoding

Encoding Standards	MPEG-1 Layer 2 AAC(optional)
Operation Mode	Stereo
Sample Rate	48 kHz
Audio Encoding Rate	MPEG-1 Layer II: 64/96/128/192/256/384 kbps

Network Management

Interface	1 x 10/100 Base-T Ethernet
Connector	RJ-45

Management	Web management
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Miscellaneous

Front Panel	40mm*68mm OLDE with 6 x Control Button for 2-lines information display and settings 3 x Dual color LED, for status indications of power, working and Alarm 1 x 3-Pin Receptacle(AC Input)
Rear Panel	1 x Power switch 1 x Serial Console Port(RJ-45)

Power Supply

Input Voltage	100 - 240 VAC, 50/60Hz
Power Consumption	75W (Maximum)

Environmental

Operating Temperature	5°C to 45°C(41°F to 113°F)
Storage Temperature	-25to 70°C(-13°F to 158°F)
Operating Humidity	10% to 90%, non-condensing

Mechanical

Product Dimensions (W x H x D)	483mm x 44.5mm x 450mm 19" x 1.73" (1 RU) x 17.7"
Product Weight	Approx. 6Kg (13.2 lbs)

Rear Panel View (Sample Config.)



Ordering Information

Hardware Options

Hardware Codes	Descriptions
GN-1846	1RU, GN-1846 modular chassis with 3 x Pluggable Encoding module slots, Single AC PSU

For More Information

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