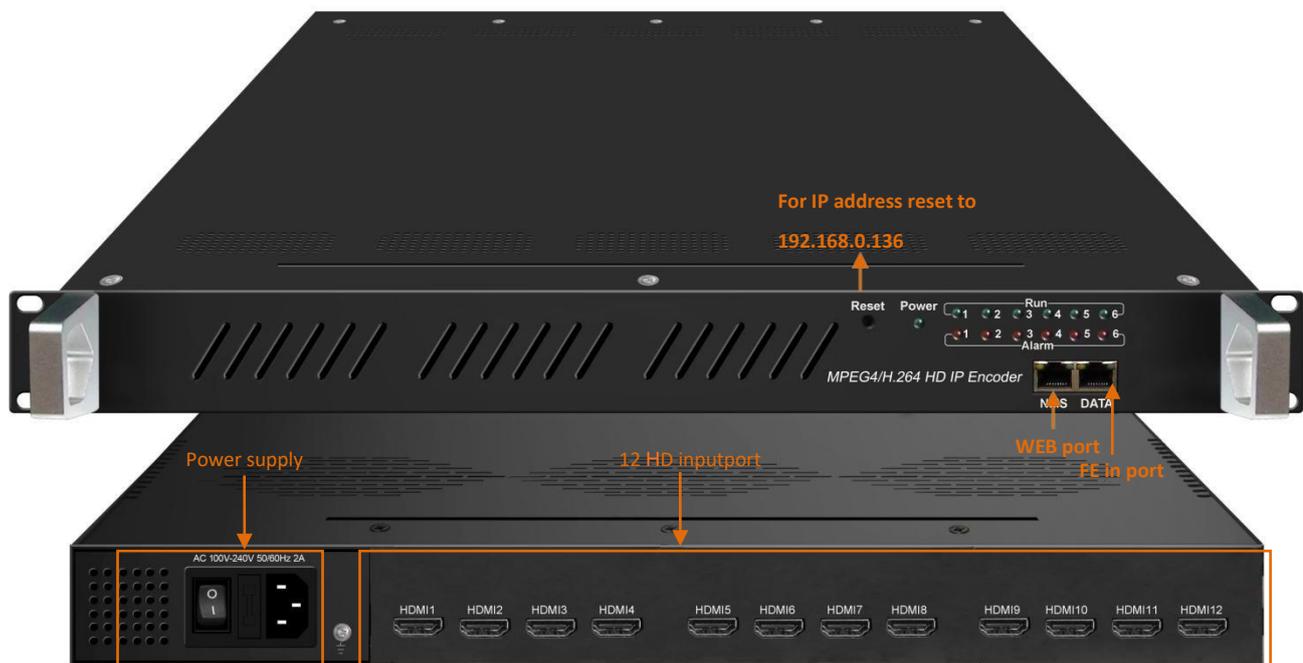


SOFTTEL®



SFT 9108H

MPEG4/H.264 HD IP Encoder



Product Overview

SFT9108H MPEG4 AVC/H.264 HD IP Encoder is a professional HD audio & video encoding and multiplexing device. It has 12 HDMI (8/16/24 HDMI optional) video input interfaces, supporting MPEG-4 video encoding and MPEG 1 Layer 2 audio encoding. This device can simultaneously encode 12 channel HD audio & video; moreover, it can multiplex the input TS to generate 128 SPTS or one MPTS output through data port. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting etc.

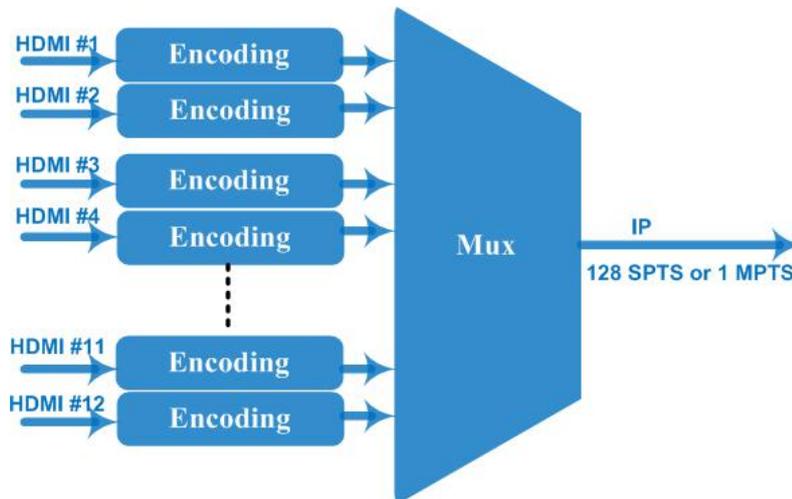
Key features

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- Support 12 HDMI input
- 128 IP input from DATA1, DATA 2 and DATA3 port over UDP and RTP protocol
- MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II audio encoding format, **support audio gain adjustment**
- Support 1 MPTS and 128 SPTS IP output from DATA1 GE port over UDP and RTP protocol
- Support accurate PCR adjusting
- Support PSI/SI editing and inserting
- Control via web management, and easy updates via web
- **Lowest cost per channel, breakthrough price**

Principle Chart



Technical specification

| | | | |
|--------------|---|---|--|
| Input | 12 HDMI inputs DATA1(GE port)/DATA2(GE port)/DATA3(FE port),RJ45 | | |
| Video | Resolution | input | 1920×1080_60i, 1280×720_60i, 1920×1080_50i, 1280×720_50i |
| | | output | 1920×1080_60i, 1280×720_60 i, 1920×1080_50i, 1280×720_50i, 720×480_50i,320×240_60i,176×120_60i, 176×120_50i, 720×576_50i,704×576_50i, 640×576_50i,352×288_50i, 320×288_50i, 176×288_50i, 176×144_50i |
| | Encoding | MPEG-4 AVC/H.264 | |
| | Bit-rate | 0.8Mbps~19Mbps each channel | |
| | Rate Control | CBR/VBR | |
| | GOP Structure | IP...P (P Frame adjustment, without B Frame) | |

| | | |
|------------------------|--|--|
| Audio | Encoding | MPEG-1 Layer 2 |
| | Sampling rate | 48KHz |
| | Resolution | 24-bit |
| | Bit-rate | 32kbps,48kbps ,56kbps,64kbps,80kbps,96kbps,112kbps,128Kbps,160kbps,192kbps,224kbps,256kbps,320kbps,384kbps |
| Multiplexing | Maximum PID Remapping | 180 input per channel |
| | Function | PID remapping (automatically or manually) |
| | | Accurate PCR adjusting |
| | | Generate PSI/ SI table automatically |
| Stream output | 128 SPTS IP or 1MPTS output over UDP/RTP, 1*1000 Base-T Ethernet interface | |
| System function | Network management(WEB) | |
| | Chinese and English language | |
| | Ethernet software upgrade | |
| Miscellaneous | Dimension(W×L×H) | 482mm×410mm×44mm |
| | Approx weight | 8kg |
| | Environment | 0~45℃(work); -20~80℃ (Storage) |
| | Power requirements | AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz |
| | Power consumption | 70W |

Order Information

| | SFT9108 H-8 | SFT9108 H-12 | SFT9108 H-16 | SFT9108 H-24 |
|----------------------|--------------------|---------------------|---------------------|---------------------|
| 8 HDMI Input | ● | | | |
| 12 HDMI Input | | ● | | |
| 16 HDMI Input | | | ● | |
| 24 HDMI Input | | | | ● |