

## MPEG-2 Super Encoder

### ECD2108/12/24-I

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## Product Introduction

ECD2108/12/24 MPEG2 SD IP Encoder is a professional SD audio & video encoding and multiplexing device. It has 8/12/24 CVBS video input interfaces, 24 pairs of unbalanced audio input interfaces, supporting MPEG-2 video encoding and MPEG 1 Layer 2 audio encoding. It can simultaneously encode 8/12/24 channel SD audio & video; moreover, it can multiplex the input TS to generate 8/12/24 SPTS or one MPTS output through Data1 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.

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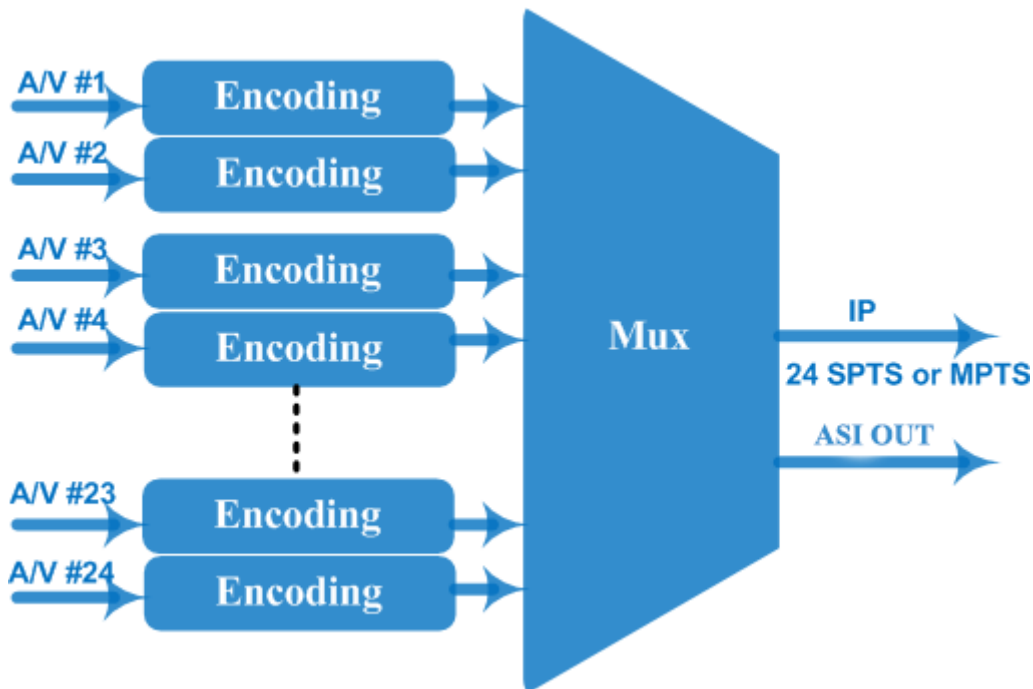
#### Feature

- 8/12/24×CVBS video inputs, 24 pairs of unbalanced audio inputs.
- Support MPEG-2 Video encoding
- Support MPEG1 Layer II, AC3(2.0) Audio encoding and support audio gain to adjust audio volume
- Support IP(MPTS/SPTS) output over UDP and RTP and support “Null PKT Filter” function
- Support PCR accurate adjusting
- Supports PAL and NTSC SD video formats
- Real-time effective encoding output bit-rate monitoring
- Support PSI/SI editing and inserting
- Control via web management, and easy updates via web
- Lowest cost per channel, breakthrough price

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### Principle chart



### Specification

|              |                                     |  |
|--------------|-------------------------------------|--|
| <b>Input</b> | 8/12/24 CVBS inputs , RCA interface |  |
| <b>Video</b> | Resolution                          | 720×480_60i, 544×480_60i, 352×480_60i<br>352×240_60i,320×240_60i,176×240_60i, 176×120_60i  |
|              |                                     | 720×576_50i,704×576_50i,640×576_50i, 352×288_50i<br>320×288_50i, 176×288_50i, 176×144_50i, |
|              | Encoding                            | MPEG-2   |
|              | Bit-rate                            | 0.5Mbps~8Mbps each channel   |
|              | Rate Control                        | CBR  |
|              | GOP Structure                       | IBBP   |
|              | Advanced Pretreatment               | De-interlacing, noise reduction  |
| <b>Audio</b> | Encoding                            | MPEG-1 Layer 2, AC3(2.0)   |
|              | Sampling rate                       | 48KHz  |
|              | Resolution                          | 24-bit   |

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|                        |   |  |
|------------------------|---|--|
|                        | Bit-rate                                  | 128Kbps,192kbps,256kbps,320kbps,384kbps each channel |
| <b>Multiplexing</b>    | Maximum PID Remapping                     | 180 input per channel                                |
|                        | Function                                  | PID remapping ( automatically or manually)           |
|                        |   | Accurate PCR adjusting                               |
|                        | Generate PSI/ SI table automatically      |  |
| <b>Stream output</b>   | ASI OUT                                   |  |
|                        | IP (MPTS/SPTS) output over UDP/RTP, DATA1 |  |
| <b>System function</b> | Network management(WEB)                   |  |
|                        | Chinese and English language              |  |
|                        | Ethernet software upgrade                 |  |
| <b>Miscellaneous</b>   | Dimension(W×L×H)                          | 482mm×410mm×44mm                                     |
|                        | Approx weight                             | 8kg  |
|                        | Environment                               | 0~45°C(work); -20~80°C (Storage)                     |
|                        | Power requirements                        | AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz         |
|                        | Power consumption                         | 20W  |