

# PRODUCT MODEL NUMBER: TL-9296S MULTI-CHANNEL ENCODER



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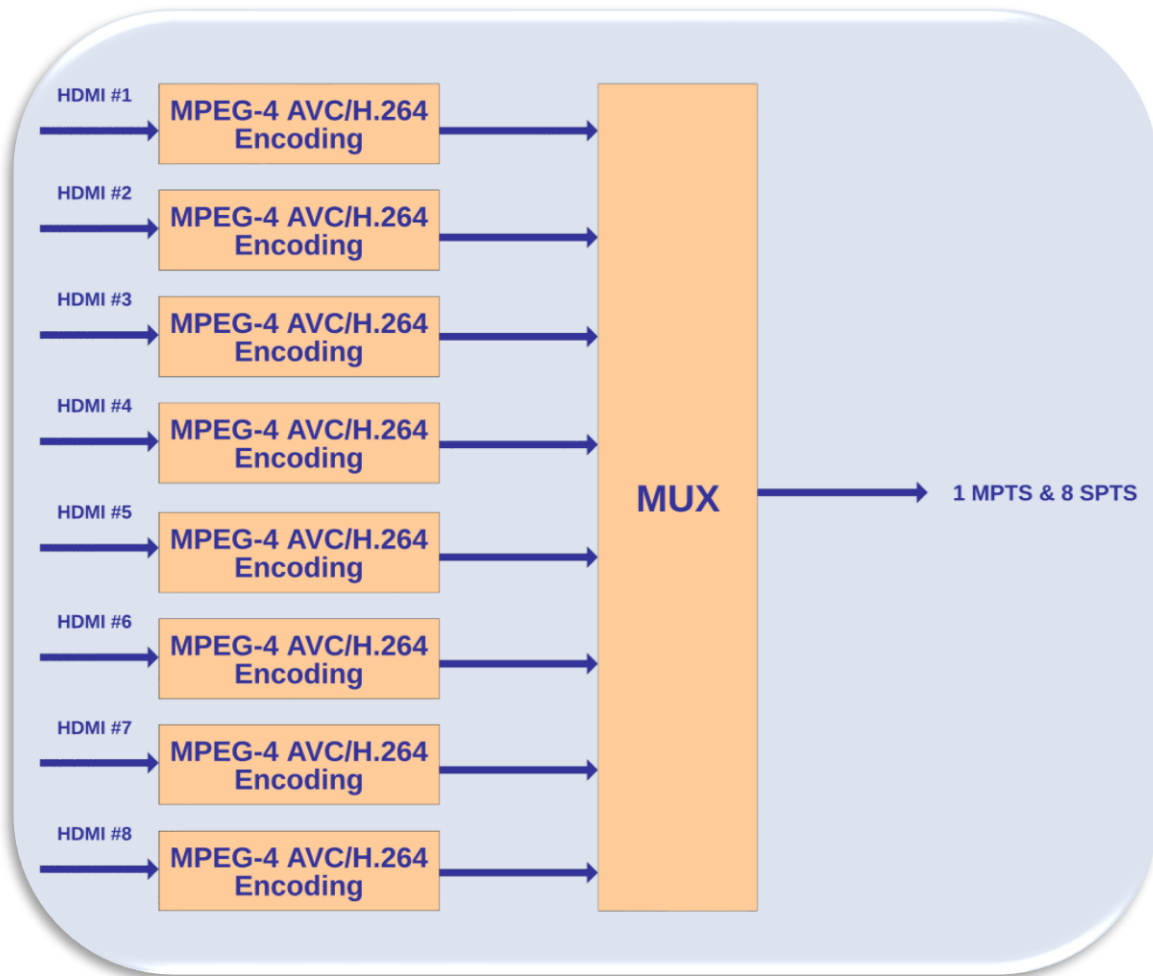
## PRODUCT OVERVIEW

TL-9296S multi-channel encoder is a professional HD/SD audio & video encoding device. It has 16/24 HDMI inputs where 8 HDMI ports share one encoder module with each module supporting 1MPTS and 8SPTS output. Its high integration and cost-effective design make the device widely used in varieties of digital distribution systems such as cable TV digital head-end, digital TV broadcasting, etc.

## KEY FEATURES

- 16 or 24 HDMI inputs with SPTS and MPTS output (2 or 3 Encoder Modules share the same one NMS port and DATA port)
- MPEG4 AVC/H.264 video encoding format
- MPEG1 Layer II, LC-AAC, HE-AAC audio encoding format and AC3 pass-through, and audio gain adjustment
- IP output over UDP and RTP/RTSP protocol
- Supports QR code, LOGO, caption insertion
- Supports “Null PKT Filter” function
- Control via web management and easy updates via web

# PRINCIPLE CHART



# SPECIFICATIONS

Input	
16 HDMI inputs (TL-9296S - 16); 24 HDMI inputs (TL-9296S - 24)	
Video	
<b>Input Resolution</b>	1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720 x 576_50i, 720 x 480_60i
<b>Output Resolution</b>	1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720 x 576_25P, 720 x 480_30P

<b>Encoding</b>	MPEG-4 AVC/H.264
<b>Bit-rate</b>	1~20Mbps each channel
<b>Rate Control</b>	CBR/VBR
<b>GOP Structure</b>	IP...P (P Frame adjustment, without B Frame)
<b>Audio</b>	
<b>Encoding</b>	MPEG-1 Layer 2, LC-AAC, HE-AAC and AC3 Pass through
<b>Sampling rate</b>	48KHz
<b>Resolution</b>	24-bit
<b>Audio Gain</b>	0-255 Adjustable
<b>MPEG-1 Layer 2 Bit-rate</b>	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
<b>LC-AAC Bit-rate</b>	48/56/64/80/96/112/128/160/192/224/256/320/384 kbps
<b>HE-AAC Bit-rate</b>	48/56/64/80/96/112/128 kbps
<b>Stream Output</b>	
IP output through DATA (GE) over UDP and RTP/RTSP protocol (8 HDMI inputs with 8 SPTS and 1MPTS output for each encoder module)	
<b>System Function</b>	
Network management (WEB)	
English language	
Ethernet software upgrade	
<b>General</b>	
<b>Dimension(W×L×H)</b>	440mm×324mm×44mm
<b>Environment</b>	0~45°C(work); -20~80°C (Storage)
<b>Power requirements</b>	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

## ORDER GUIDE

TL-9296S	16 HDMI Inputs
TL-9244S	24 HDMI Inputs

## For Sales

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