DX3224P

Multi-Channel Encoder

Product Overview

DEXIN DX3224P multi-channel encoder is our newest professional HD encoding and multiplexing device with powerful functionality. It is equipped with 4/8/12 HDMI channels input with MPEG-4 AVC/H.264 video encoding and MPEG1 Layer II audio encoding (MPEG-2 AAC, MPEG-4 AAC Optional), AC3 pass through. It can multiplex the 4/8/12 encoded TS to generate MPTS or SPTS output through DATA port. It adopts the slot structure with one device supporting maximum up to 3 DX224 modules. Each module can work standalone. In conclusion, its high integration and cost-effective design make this device widely used in variety of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Key features

- **4/8/12×HDMI inputs with MPEG-4 AVC/H.264 Video encoding**

- **Support MPEG1 Layer II; AC3 pass through ; MPEG-2 AAC,MPEG-4 AAC (Optional);**
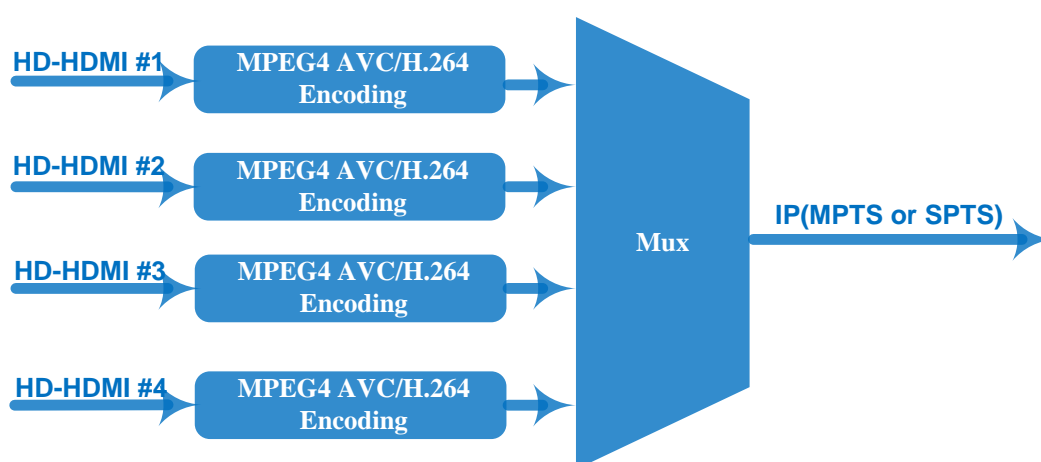
and support audio gain

- **Support HD (1080i/720p_50/60) to SD (576p/480p_25/30) resolution downscale conversion**

- **Support IP (MPTS or SPTS) output over UDP and RTP protocol**

- **Support Null PKT Filter**

- **Real-time effective encoding output bit-rate monitoring**

- **Control via web management, and easy updates via web**

- **Modular design,1U chassis support up to 3 modules**

- **Lowest cost per channel, breakthrough price**

Principle Chart (per daughter module)

Technical specification

Input		4/8/12 HDMI Inputs
Video	Resolution	1920×1080_60P,1920×1080_50P,1920×1080_60i, 1920×1080_50i,1280×720_60P,1280×720_50P, 720×576_50i, 720×480_60i
	Encoding	MPEG-4 AVC/H.264
	Bit-rate	0.8~19Mbps each channel
	Rate Control	CBR/VBR
	GOP Sstructure	IBBP
Audio	Encoding	MPEG1 Layer II, AC3 pass through (MPEG-2 AAC, MPEG-4 AAC Optional)
	Sampling rate	48KHz
	Resolution	24-bit
	Audio Gain	0-400% adjustable
	Bit-rate	64~320Kbps each channel
Stream output		IP (MPTS or SPTS) output over UDP and RTP, 1000 Base-T Ethernet interface (Multicast/Unicast)
System function		Network management (WEB)

Miscellaneous	English language	
	Ethernet software upgrade	
	Dimension(W×L×H)	482mm×328mm×44mm
	Environment	0~45℃(work)；-20~80℃（Storage）
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Order Information（HDMI inputs（4/8/12）as per order）

	With AAC Encoding	Without AAC Encoding
MPTS Output Version	○	○
SPTS Output Version	○	○