Encoder Series

NDS3224D 4 in 1 MPEG-4 AVC/H.264 SD Encoder

Outline

The DEXIN NDS3224D SD encoder (with SDI input) is a professional SD audio & video encoding and multiplexing device with powerful functionality. It has 4 SD-SDI input interfaces, supporting MPEG-4 AVC/H.264 High Profile code format. This device can simultaneously encode 4 channel SD audio & video; moreover, it has an ASI input and can multiplex the input TS with the 4 encoded SPTS to generate a MPTS output. Also, the PSI/SI information can be inserted into MPTS output. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as CATV digital head-end, satellite and terrestrial digital TV, etc.

Features

● H.264/AVC High Profile Level 3.0 video encoding support, advanced video pretreatment algorithm

● Supports MPEG1 Audio Layer 2

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- 4 SD-SDI input interfaces
- 1 ASI input multiplexing support
- Multiplexed MPTS ASI output support
- Multiplexed MPTS over UDP unicast/multicast output
- LCD / keyboard operating
- Real-time effective output bit-rate monitoring
- NMS support

Specifications

Input	4× SD-SDI inputs , BNC interface	
	1×ASI input, BNC interface	
Video	Resolution	720×480_60i, 720×576_50i
	Encoding	MPEG-4 AVC/H.264 High Profile Level 3.0
	Bit rate	0.8Mbps~20Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	IBBP
	Advanced Pretreatment	De-interlacing, noise reduction, sharpening
Audio	Encoding	MPEG-1 Layer 2 AAC(optional)
	Sampling rate	48KHz, 44.1KHz
	Resolution	24 bit
	Bitrate	64Kb/s~384Kb/s (each channel)
Multiplexing	1 ASI input multiplexed with local 4 channels TS	
Stream output	2 × ASI outputs, BNC interface	
	MPTS over UDP,10/100Base-T Ethernet interface (UDP unicast / multicast)	
System function	LCD/keyboard operating, NMS support, Chinese-English control interface	
	Ethernet software upgrade	

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General	Dimensions (WxDxH)	482mm×455mm×44.5mm
	Approx weight	6Kg
	Temperature range	0~45℃(Operation), -20~80℃(Storage)
	Power requirements	AC 110V±10%,50/60Hz or AC 220V±10%,50/60Hz
	Power consumption	17.6W