



NDS3214H-SDI

4 in 1 MPEG-4 AVC/H.264 HD Encoder



Key Features

- Support AVC/H.264 High Profile Level 4.0 video encoding
- Advanced video pretreatment algorithm
- 4 channel HD SDI inputs with 1 ASI input supports multiplexing
- Support 1080I, 720P, 576I, and 480I HD&SD video format
- Audio MPEG-1 Layer 2, HE-AAC V2
- Support ASI and IP output (UDP)
- Real-time effective output bit-rate monitoring
- Support MPTS UDP IP Output
- Support NMS and LCD+keyboard operating

Product Overview

The DEXIN NDS3214H-SDI 4 in 1 MPEG-4 AVC/H.264 HD encoder is a professional HD audio & video encoding and multiplexing device with powerful functionality. It has 4 channels HD SDI input interfaces, supporting MPEG4 AVC/H.264 High Profile code



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format. This device can simultaneously encode 4 channel HD programs. Moreover, it has an ASI input and can multiplex the input TS with the 4 encoded programs to generate ASI and IP 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.

Specifications

Input	4x HD-SDI input (HDMI optional)	
	1xASI input, BNC interface	
Video	Resolution	1920×1080_60i, 1920×1080_50i
		1280×720_60p, 1280×720_50p
		720*576_50i
		720*480_60i
	Encoding	MPEG4 AVC/H.264 High Profile Level 4.0 for HD
	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, HE-AAC V2
	Sampling rate	48KHz
	Resolution	24-bit
	Bit-rate	64Kb/s~384Kb/s each channel
Multiplexing	1xASI input multiplexed with 4 encoding channel SPTS	
Stream output	2xASI 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	
General	Ethernet software upgrade	
	Dimensions (WxDxH)	482mm×455mm×44.5mm
	Approx weight	4.8Kg
	Temperature range	0~45℃ (Operating), -20~80℃ (Storage)
	Power Requirements	AC 110V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Power consumption	24.2W

Principle Chart

