



NDS3218A



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



Product Overview

The DEXIN NDS3218A 8-in-1 MPEG-4 AVC/H.264 HD encoder is our newest professional HD audio & video encoding and multiplexing device with powerful functionality. It is equipped with 8 HDMI (or SDI) channels input supporting MPEG-4 AVC/H.264 High Profile code format & main Profile code format, and also 1 ASI input for re-mux. It can multiplex the ASI input TS and the 8 encoded SPTS to generate a MPTS output with the inserted PSI/SI information. 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.



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Key Features

- Support 8 HDMI/SDI channels input & 1 ASI Input
- Support H.264/AVC video encoding
- Support MPEG1 Layer 2 (HE-AAC (V2), LC -AAC optional) audio encoding
- Support PSI/SI editing and inserting
- Support VBR/CBR video bitrate mode
- Support 720P, 1080I, 1080P HD video format
- Support ASI output MPTS or 8 SPTS
- Support IP Output MPTS and 8 SPTS
- Support IP null packet filter
- Real-time output bit-rate monitoring
- Update device through NMS port
- Support LCD / keyboard operating, and network management (SNMP)

Specifications

Input	8×HDMI (or SDI) inputs	
	1 ASI input, BNC interface	
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	0.8Mbps~19Mbps (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, LC- AAC Option)
	Sampling rate	48KHz
	24-bit	Resolution
	Bit-rate	64Kbps~384Kbps each channel
Multiplexing	1 ASI input multiplexed with local 8 channels of TS	
Stream output	2*ASI output, BNC interface	
	MPTS and 8 SPTS over UDP, 1000 Base-T Ethernet interface (UDP unicast / multicast);	

System function	LCD/keyboard operating, net manager (SNMP)	
	Chinese-English control interface	
	Ethernet software & hardware upgrade	
Miscellaneous	Dimension (W×L×H)	440mm×410mm×44.5mm
	Approx weight	4kg
	Temperature	0~45℃(work), -20~80℃ (Storage)
	Power	AC 100V-220V ±10%, 50/60Hz
	Consumption	25W

Principle Chart

