



**NDS3218**

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



## Product Overview

The DEXIN NDS3218 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 channels input supporting MPEG4AVC/H.264 High Profile code format and 1 ASI input. It can multiplex the ASI input TS with 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.

## Key Features

- Support 8 HDMI channels input & 1 ASI Input
- Support H.264/AVC High Profile Level 4.0 video encoding
- Audio: MPEG1 Layer 2 (HE-AAC V2/AAC-LC optional)
- Support PSI/SI editing and inserting
- Support VBR/CBR video encoding
- Support MPTS or 8 SPTS UDP IP Output

- Support IP null packet filter
- Real-time output bit-rate monitoring
- LCD / keyboard and SNMP control
- Update device through NMS port

## Specifications

<b>Input</b>	8×HDMI inputs	
	1 ASI input, BNC interface	
<b>Video</b>	Resolution	1920*1080_60p, 1920*1080_50p
		1920×1080_60i, 1920×1080_50i
		1280×720_60p, 1280×720_50p
	Encoding	MPEG4 AVC/H.264 High Profile Level 4.0 for HD
	Bit-rate	0.8Mbps~20Mbps (each channel)
	Rate Control	CBR/VBR
	Advanced Pretreatment	De-interlacing, Noise Reduction, Sharpening
<b>Audio</b>	Encoding	MPEG-1 Layer 2 (HE-AAC V2/AAC-LC optional)
	Sampling rate	48KHz
	Bit-rate	64Kb/s~384Kb/s each channel
<b>Multiplexing</b>		1 ASI input multiplexed with local 8 channels of TS
<b>Stream output</b>		2*ASI output, BNC interface
		MPTS over UDP, 1000 Base-T Ethernet interface (UDP unicast / multicast);
		8 SPTS (optional)
<b>System function</b>		LCD/keyboard operating, NMS supporting
		Chinese-English control interface
		Ethernet software & hardware upgrade
<b>Miscellaneous</b>	Dimension (W× L× H)	440mm×410mm×44.5mm
	Approx weight	4kgs
	Temperature	0~45℃(work), -20~80℃ (Storage)
	Power	AC 100V-220V±10%, 50/60Hz
	Consumption	25W

## Principle Chart

