



NDS3242A

4-in-1 MPEG-2/H.264 HD Encoder



Product Overview

NDS3242A 4-in-1 MPEG2/H.264 HD Encoder are DEXIN's new professional HD audio & video encoding device with powerful functionality. It has equipped with 4 HD-SDI or 4 HDMI channels input supporting MPEG-2 and MPEG-4 AVC/H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC, HE-AAC and DD AC3 audio encoding. The 4 encoded programs will output through ASI and IP ports in MPTS or SPTS.

It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules if needed.

Key Features

- Dual power supply
- MPEG2 HD/SD & MPEG4 AVC/H.264 HD/SD video encoding



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- MPEG1 Audio Layer 2, LC-AAC, HE-AAC and DD AC3 audio encoding
- Support dialog normalization (applicable for DD AC3)
- 4*HD-SDI input or 4*HDMI input
- Support resolution downscale conversion
- Support VBR/CBR rate control mode
- Support CC (closed caption) EIA 608 & EIA 708 (for SDI input version)
- Support Low Latency function
- Support PSI/SI editing and inserting
- Supports IP null packet filter
- ASI output, IP (MPTS & 4 SPTS) output over UDP, RTP
- LCD display, Remote control and firmware
- Web-based NMS management; Updates via web

Technical Specifications

Encoding Section

Video

Encoding	MPEG2 & MPEG4 AVC/H.264
Input	HD-SDI*4 or HDMI*4
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only) 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i
Support object resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only) 1440*1080_60i, 1440*1080_50i, 1280*720_60p, 1280*720_50P 720*480_60i, 720*576_50i 720*480_60p, 720*480_30p, 720*480_25p 720*576_50p, 720*576_30p, 720*576_25p,
Bit Rate	0.5~19.5Mbps
Rate Control Mode	CBR/VBR
Chroma Sample	4:2:0
Aspect Ratio	16:9, 4:3

Audio

encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3 (2.0)
Dialog Normalization (Applicable for DD AC3 encoding only)	-31 ~ -1 dB
Sample rate	48KHz
Bit rate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps



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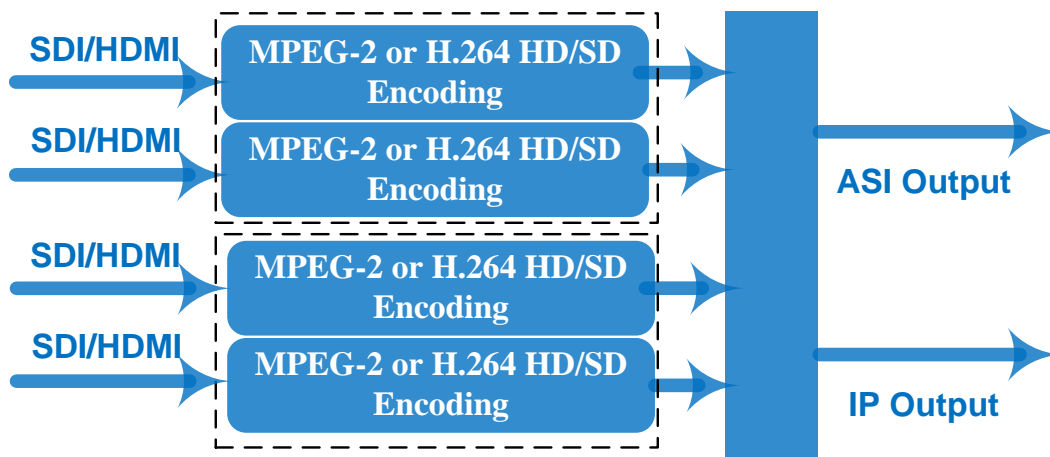
System

Local interface	LCD + control buttons
Remote management	Web NMS
Low Latency Mode	Normal, mode 1, mode 2
output	2*ASI out (BNC type); IP (1 MPTS & 4 SPTS) over UDP, RTP (RJ45, 100M)
NMS interface	RJ45, 100M
Language	English

General

Power	AC 100V~240V, 45W
Dimensions	482*400*44mm
Weight	4.5 kgs
Operation temperature	0~45°C

Principle Chart



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