



Encoding interface option



## Product Overview

NDS3242 is DEXIN's professional HD audio & video encoding device which has 2 channels of HDMI (SDI/YPbPr+HDMI+ CVBS/YPbPr+S-Video+CVBS Optional) input for MPEG-2 and MPEG-4 AVC/H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC, HE-AAC and AC3 audio encoding. It is also equipped with 1 channel ASI input for re-mux. The 2 encoded programs will output through 2 ASI or IP ports in MPTS or 4 SPTS.

It adopts pluggable design makes it convenient to change encoding module (SDI/YPbPr+HDMI+ CVBS/YPbPr+S-Video+CVBS) as needed

## Key Features

- MPEG2 & MPEG4 AVC/H.264 HD video encoding
- MPEG1 Audio Layer 2, MPEG2-AAC, MPEG4-AAC and Dolby Digital AC3(2.0 Optional) audio encoding
- Dolby Digital AC3 passthrough(for HDMI of HDMI/YPbPr/CVBS 3-in-1)
- Support CC (closed caption ), EIA 608 and EIA 708 for SDI interface
- HDMI/SDI/YPbPr+HDMI+CVBS/YPbPr+S-Video+CVBS signals in optional, pluggable and changeable encoding modules
- Support CBR/VBR rate control mode

- 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/RTSP
- SPTS output bitrate settable
- 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	HDMI*2 (SDI*2/(YPbPr+HDMI+CVBS)*2/(YPbPr+S-Video+CVBS)*4 Optional)
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only, except YPbPr+S-Video+CVBS) 1920*1080_60i, 1920*1080_50i,(except YPbPr+S-Video+CVBS) 1280*720_60p, 1280*720_50P(except YPbPr+S-Video+CVBS) 720*480_60i, 720*576_50i
Bit Rate	0.5~19.5Mbps
Rate Control Mode	CBR/VBR
GOP Structure	B frame(0~3), P frame(0~6)(for HDMI &HDMI/YPbPr/CVBS 3-in-1 module)

#### Audio

encoding	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, Dolby Digital AC3(2.0 optional) Dolby Digital AC3 passthrough(for HDMI of HDMI/YpbPr/CVBS 3-in-1)
Sample rate	48KHz
Bit rate	64kbps, 96kbps,128kbps, 192kbps, 256kbps, 320kbps

### System

Local interface	LCD + control buttons
Remote management	Web NMS
output	2ASI out (BNC type) IP (1 MPTS & 4 SPTS) over UDP, RTP/RTSP (RJ45, 100M)
NMS interface	RJ45, 100M
Language	English

### General

Power	AC 100V~240V
Dimensions	482*300*44mm
Weight	3.5 kgs
Operation temperature	0~45℃

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