NDS3242

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

Product Overview

NDS3242 is a DEXIN's professional HD/SD audio & video encoder which has 2 channels of HDMI input (SDI module or YPbPr+HDMI+CVBS module optional) for MPEG-2 and MPEG-4 AVC/H.264 video encoding and MP2, MPEG 2-AAC, MPEG 4-AAC and AC3 audio encoding. It is also equipped with 1 ASI input for re-mux. The 2 encoded programs will output through 1 group of ASI ports or IP ports in 1 MPTS or 2 SPTS.

It adopts plug-gable design to make it conveniently change encoding module (HDMI/SDI/YPbPr+HDMI+ CVBS) as needed.

Key Features

- **MPEG2 & MPEG4 AVC/H.264 HD video encoding**
- **MP2, MPEG2-AAC, MPEG4-AAC and Dolby Digital AC3 audio encoding**
- **Support CC (closed caption), EIA 608, EIA 708 and Line 21 for SDI encoder board**
- **HDMI/SDI/YPbPr+HDMI+CVBS input module optional, pluggable and changeable encoding modules**
- **Support Low Delay function**

- **Support PSI/SI editing and inserting**

- **Supports IP null packet filter**

- **ASI output (mirror out as 1 MPTS or 2 SPTS), IP (1 MPTS & 2 SPTS) output over UDP, RTP/RTSP**

- **LCD display, Remote control**

- **Web-based NMS management; Updates via web**

Technical Specifications

HDMI Input			
	Video	Input	HDMI*1 (with one for backup)
		Encoding	MPEG2; MPEG4 AVC/H.264
		Bitrate	1-19.5Mbps
		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
		Low Delay	Normal, Mode 1, Mode 2, Manual
		Chroma	4:2:0
		Aspect Ratio	16:9,4:3
	Audio	Encoding	MPEG 2;MPEG 2-AAC; MPEG 4-AAC and Dolby Digital AC3 2.0
		Sample rate	48KHz
		Bitrate	64/96/128/ 192/256/320kbps

SDI Input			
	Video	Encoding	MPEG2; MPEG4 AVC/H.264
		Input	SDI*1
		Bitrate	1-19.5Mbps
		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
		Low Delay	Normal, Mode 1, Mode 2, Manual
		Chroma	4:2:0
		Aspect Ratio	16:9,4:3
	Audio	Encoding	MPEG 2,MPEG2-AAC, MPEG4-AAC and Dolby Digital AC3 2.0
		Sample rate	48KHz
		Bitrate	64/96/128/ 192/256/320kbps

HDMI/YPbPr/CVBS 3-in-1 Input		Video (HDMI)	Encoding	MPEG2; MPEG4 AVC/H.264
			Input	HDMI*1
			Bitrate	1-19.5Mbps
			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
			Low Delay	Normal, Mode 1, Mode 2, Manual
			Chroma	4:2:0
			Aspect Ratio	16:9,4:3
		Audio (HDMI)	Encoding	MPEG 2,MPEG2-AAC, MPEG4-AAC and Dolby Digital AC3 2.0
			Input	HDMI*1
			Sample rate	48KHz
			Bitrate	64/96/128/ 192/256/320kbps
		Video (YpbPr/ CVBS)	Encoding	MPEG2; MPEG4 AVC/H.264
			Input	YPbPr*1 / CVBS *1
			Bitrate	1-19.5Mbps
			Resolution	**CVBS:** 720x576_50i (PAL); 720x480_60i (NTSC) **YpbPr:** 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P
			Low Delay	Normal, Mode 1, Mode 2
			Chroma	4:2:0
			Aspect Ratio	16:9, 4:3
		Audio (YpbPr/ CVBS)	Encoding	MPEG 2; MPEG2-AAC; MPEG4-AAC and Dolby Digital AC3 2.0
			Interface	1*Stereo/2*mono
			Sample rate	48KHz
			Bit rate	64/96/128/ 192/256/320kbps

General	System	Local interface	LCD + control buttons
		Remote management	Web NMS
		Stream In	1 ASI in for re-multiplexing
		Stream Out	2 ASI out (BNC type, same one TS, mirror as MPTS or SPTS)
			IP (1 MPTS & 2 SPTS) over UDP, RTP/RTSP (RJ45, 1000M)
		DATA Port	1000M
		NMS interface	RJ45, 100M
		Language	English
	Physical Specification	Power supply	100~240VAC, 50/60Hz
		Dimensions	482*300*44mm
		Operation temp	0~45℃

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