

Encoder Series

NDS3221A MPEG-2/H.264 SD Encoder



Outline

The DEXIN NDS3221A MPEG-2/H.264 SD Encoder is our newest professional SD audio & video encoding and multiplexing device with powerful functionality. It has 1 video with two different audios encoding in the same time, supporting MPEG-2 and H.264 encoder type. Furthermore, it can support the MPEG-1 Audio layer 2, LC-ACC, HE-AAC, and can support ultra low bit-rate (0.25~15Mbps for H.264 encoding, and 0.5~15Mbps for MPEG-2 encoding). Moreover, it has an ASI input and can multiplex the encoder channel and ASI/IP output in the same time.

Features

- Support H.264, MPEG2 video Encoding
- Applicable for one seg(ISDB-T) utilization
- MPEG1 Audio Layer 2 , LC-AAC, HE-AAC(v2)
- Support 2 stereo or 4 Mono audio encoding
- Support VBR/CBR video bitrate mode
- Support CC (Closed Caption) (for SDI interface only)
- Support 1SPTS UDP IP Output
- Real-time output bit-rate monitoring
- supports LCD/ Keyboard operation
- supports SNMP or NMS management



All the specifications are subject to change without any further notice. All rights reserved.

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Specifications

Input	1xCVBS input, BNC interface	
	1xSD-SDI Video input and embedded audio input interface	
	2 pair of unbalanced stereo audio input, BNC interface	
	2 pair of balanced stereo audio input interface	
	1xASI input, BNC interface	
Video	Resolution	PAL:720*576i/352*288i/320*240i/320*180i/176*144i/ 160*120i/160*90i @50Hz
		NTSC:720*480i/352*288i/320*240i/320*180i/176*144i/ 160*120/160*90@59.94Hz
	Encoding	MPEG-2 /H.264
	Bit-rate	0.25~15Mbps for H.264 encoding 0.5~15Mbps for MPEG-2 encoding
	Bit-rate control	CBR/VBR
	GOP Type	IBBP
Advanced Pretreatment	De-interlacing, noise reduction, sharpening	
Audio	Encoding	MPEG1 Layer 2 , LC-AAC,HE-AAC v2
	Sample Frequency	48KHz
	Sample accuracy	24 bit
	Bit-rate	32Kbps ~384Kbps (each channel)
Multiplexing		1 ASI input multiplexed with local 1 channels TS
Stream	2 × ASI outputs, BNC interface MPTS and 1*SPTS over UDP, 10/100Base-T Ethernet interface LCD/keyboard operating, NMS management, Chinese-English control interface	
	Ethernet software upgrade	
General	Dimension	482mm×455mm×44.5mm
	Weight	4kg
	Temperature	0~45°C(Working) , -20~80°C(Storage)
	Power Supply	AC 110V±10%, 50/60Hz; AC 240V±10%, 50/60Hz
	Power Consumption	17.6W