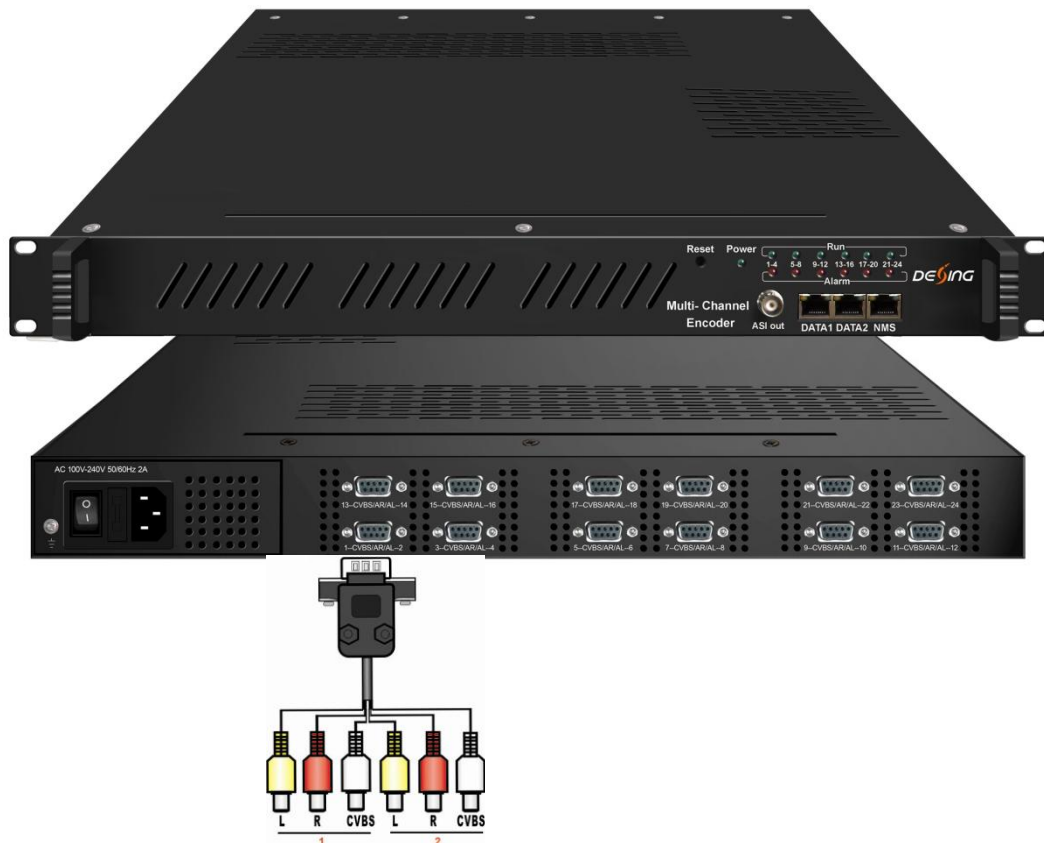




NDS3542KB

Multi-Channel Encoder



OSD (Logo/PPT/Caption/QR Code) Insertion



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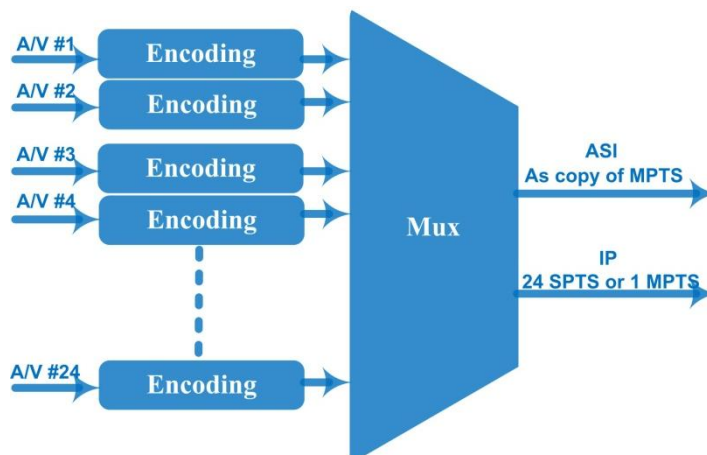
Product Overview

NDS3542KB multi-channel Encoder is a professional audio & video encoder with MPEG2, MPEG4 AVC/H.264 encoding and multiplexing device. It supports to convert 8/12/16/24 CVBS video inputs to IP output. To meet customers' various requirements, it is also equipped with 1 ASI output for option as required. In conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting etc.

Key features

- 8/12 × CVBS video inputs with 8/12 SPTS and 1 MPTS output through Data 1 or Data 2
- 16/24 × CVBS video inputs with 16/24 SPTS or 1 MPTS output (alternative) through Data 1 or Data 2
- Support MPEG-2, MPEG4/H.264 Video encoding
- Support MPEG1 Layer 2, LC-AAC, HE-AAC Audio encoding
- Supports PAL and NTSC SD video formats
- 1 ASI output (optional) as copy of MPTS
- Support IP output over UDP , RTP/RTSP protocol
- **Support Logo, QR code, Caption insertion**
- Support “Null PKT Filter” function
- Support PID Remapping, PCR accurate adjusting and PSI/SI editing and inserting
- Control via web management, and easy updates via web

Principle Chart



Technical specification

Input	8/12/16/24 CVBS inputs , RCA interface		
Video	Resolution	Input	Output
		720*576@50i	720*576/352*288/320*240/320*180/ 176*144/160*120/160*90@50Hz
		720*480@60i	720*480/352*288/320*240/320*180/ 176*144/160*120/160*90@60Hz
	Encoding format	MPEG-2, MPEG4 AVC/H.264	
	Bit-rate	0.5~5Mbps	
	Rate Control	CBR/VBR	
	GOP Structure	IPPP, IBPBP, IBBPB, IBBBB	
Advanced Pretreatment	De-interlacing, noise reduction		
Audio	Encoding format	MPEG1 Layer 2, LC-AAC, HE-AAC	
	Sampling rate	48KHz	
	Bits per sample	32-bit	
	Bit-rate	48Kbps~384Kbps (each channel)	
Multiplexing	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/ SI table automatically	
Stream output	1 ASI out as copy of MPTS IP output over UDP/RTP/RTSP through Data 1(1000M) or Data 2 (100M) : 8/12 CVBS inputs with 8/12 SPTS and 1 MPTS output 16/24 CVBS inputs with 16/24 SPTS or 1 MPTS output (alternative)		
System function	Network management (WEB)		
	Chinese and English language		
	Ethernet software upgrade		
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm	
	Approx weight	8kg	
	Environment	0~45℃(work); -20~80℃ (Storage)	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz	
	Power consumption	20W	

Order Information

	NDS3542KB-8	NDS3542KB-12	NDS3542KB-16	NDS3542KB-24
8 CVBS Input	●			
12 CVBS Input		●		
16 CVBS Input			●	
24CVBS Input				●



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