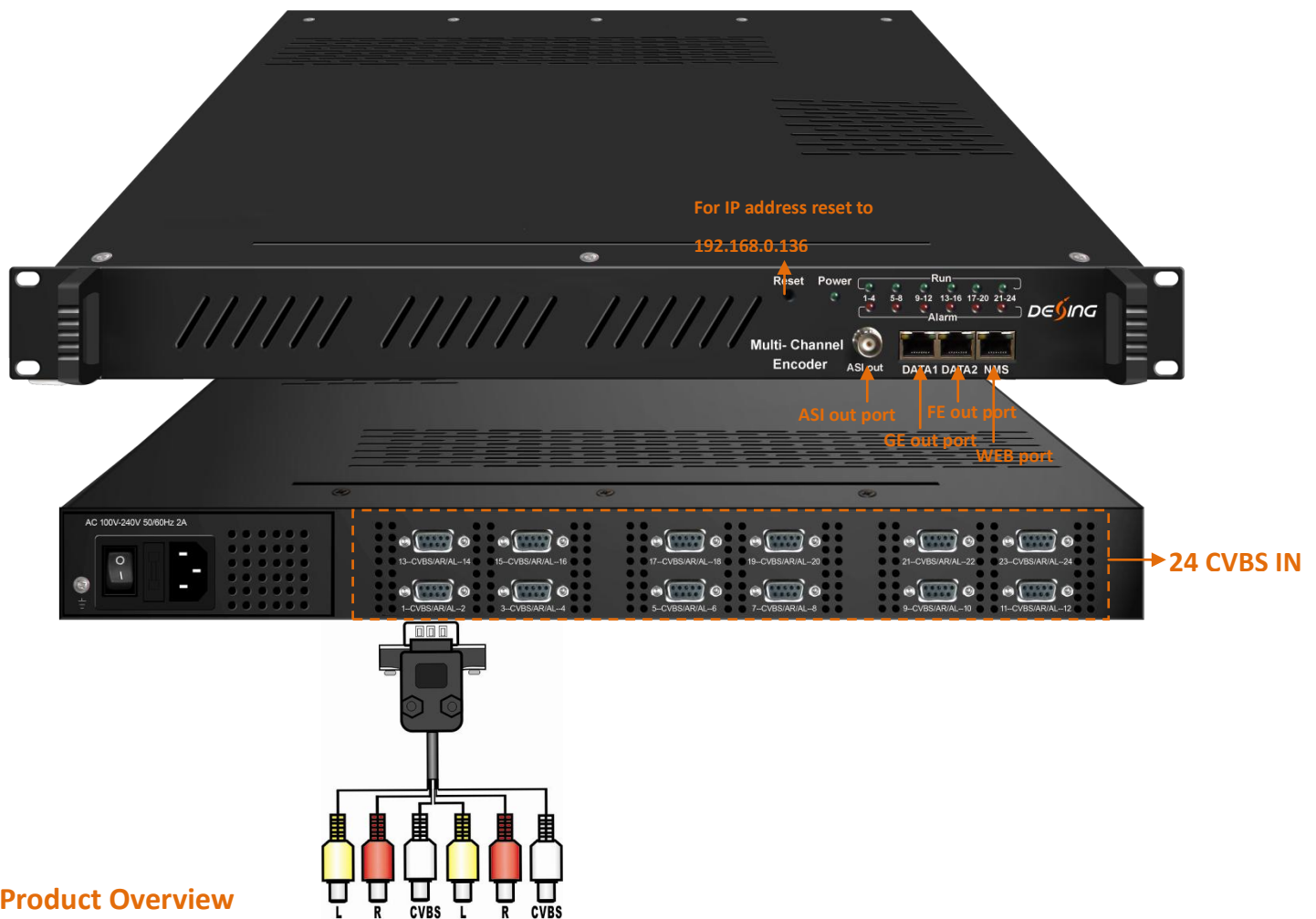




NDS3542K/KA

Multi-Channel Encoder



Product Overview

NDS3542K (NDS3542KA) Multi-Channel Encoder is a professional audio & video encoding and multiplexing device. It supports to convert 8/12/24 CVBS video inputs to MPTS or SPTS IP output. To meet customers' various requirements, it is also equipped with 1 ASI output as copy of MPTS. 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.



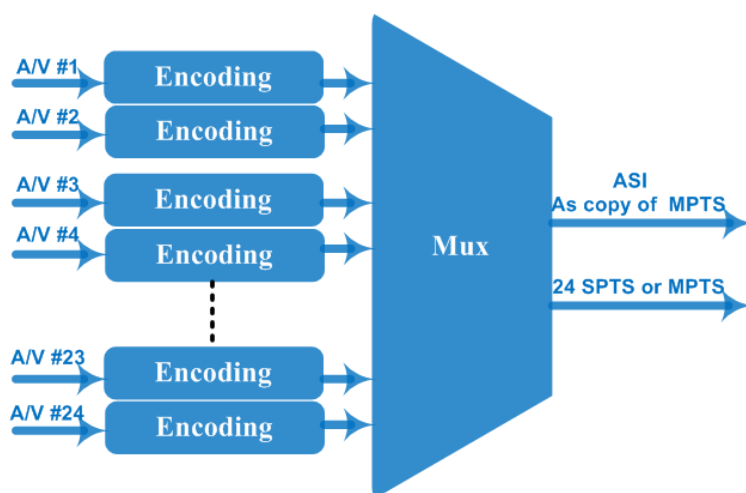
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Key features

- 8/12 CVBS video inputs with 8/12 SPTS and 1 MPTS output through Data 1 or Data 2
- 24×CVBS video inputs with 24 SPTS or 1 MPTS output through Data 1 or Data 2
- Supports PAL and NTSC SD video formats, MPEG-2 Video encoding
- Support MPEG1 Layer II, AC3 (2.0) Audio encoding and support audio gain adjustment
- Support 1 ASI output as copy of MPTS
- Support CC (closed caption)
- **Support QR Code, Caption, Logo insertion----NDS3542KA**
- support “Null PKT Filter” function
- Support PID Remapping/PCR accurate adjusting/PSI/SI editing and inserting
- Real-time effective encoding output bit-rate monitoring
- Control via web management, and easy updates via web

Principle Chart



Technical specification

Input	8/12/24CVBS inputs , RCA interface	
Video	Resolution	720×480_60i, 544×480_60i, 352×480_60i 352×240_60i, 320×240_60i, 176×240_60i, 176×120_60i
		720×576_50i, 704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i, 176×288_50i, 176×144_50i
	Encoding	MPEG-2
	Bit-rate	0.5Mbps~8Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	GOP_0_B, GOP_1_B, GOP_2_B, GOP_3_B

	Advanced Pretreatment	De-interlacing, noise reduction
Audio	Encoding	MPEG-1 Layer 2, AC3(2.0)
	Sampling rate	48KHz
	Resolution	24-bit
	Bit-rate	64Kbps,128Kbps,192kbps,256kbps,320kbps,384kbps each channel
Multiplexing	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
		Generate PSI/ SI table automatically
Stream output	1 ASI as copy of MPTS IP (MPTS/SPTS) output over UDP/RTP/RTSP 8/12 CVBS inputs with 8/12 SPTS and 1 MPTS output 24×CVBS inputs with 24 SPTS or 1 MPTS output	
System function	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
Miscellaneous	Dimension(W×L×H)	482mm×410mm×44mm
	Environment	0~45℃(work); -20~80℃ (Storage)
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz

Order Information

	NDS3542K/KA-8	NDS3542K/KA-12	NDS3542K/KA-24
8CVBS Input	●		
12CVBS Input		●	
24CVBS Input			●