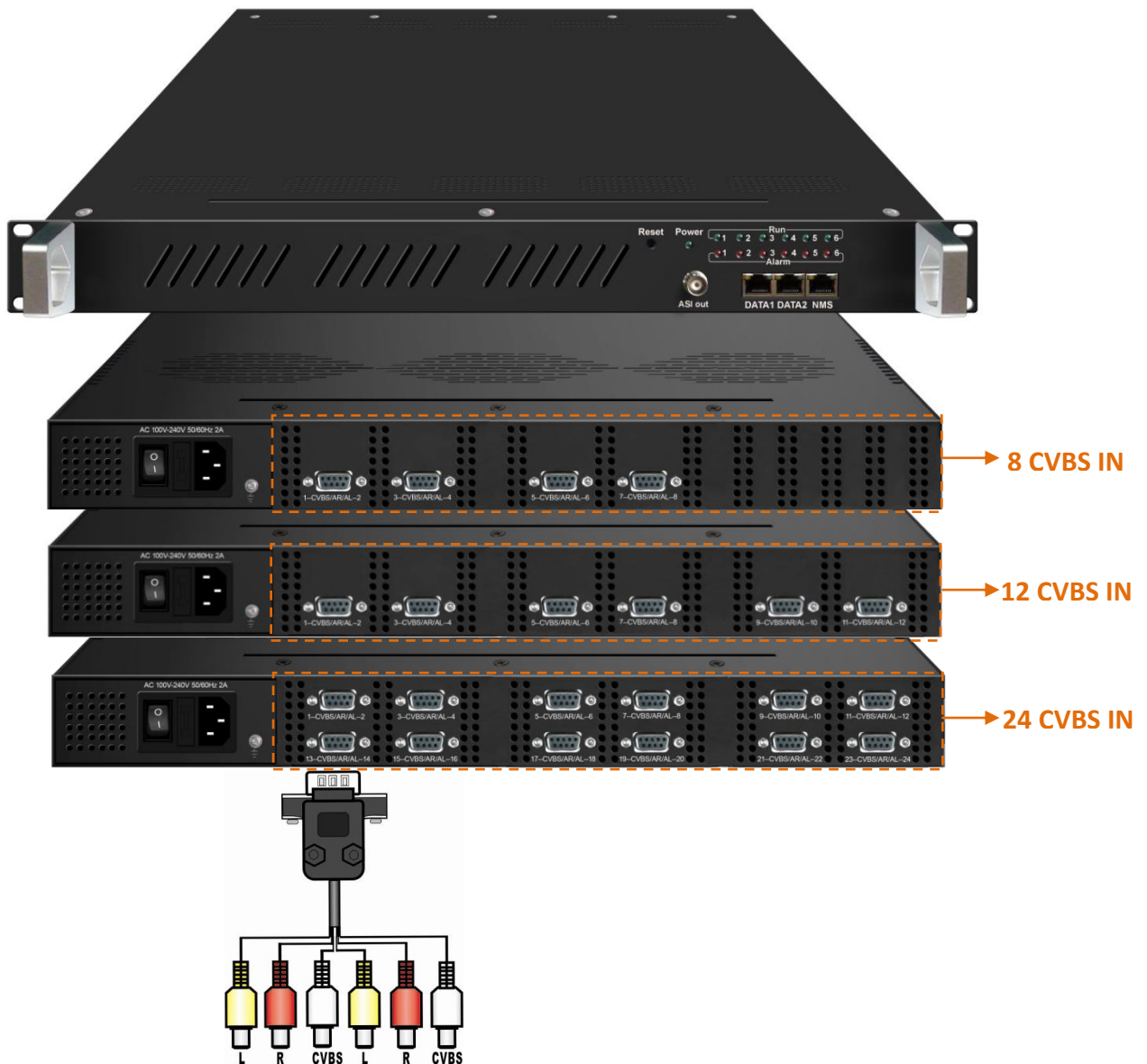




NDS3542K

MPEG2 SD IP Encoder



## Product Overview

NDS3542K MPEG2 SD IP 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 for option as required. In



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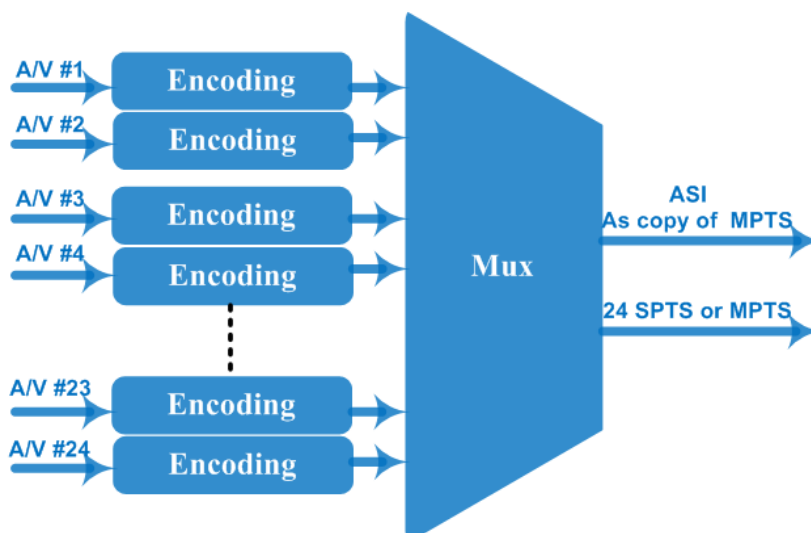
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conclusion, its high integrated and cost effective design makes the device widely used in varieties of digital distribution systems such as cable TV digital head-end, satellite digital TV broadcasting etc.

### Key features

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

### Principle Chart



## Technical specification

<b>Input</b>	8 CVBS inputs , RCA interface	
	12 CVBS inputs , RCA interface	
	24 CVBS inputs , RCA interface	
<b>Video</b>	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
	GOP Structure	IBBP
Advanced Pretreatment	De-interlacing, noise reduction	
<b>Audio</b>	Encoding	MPEG-1 Layer 2, AC3(2.0)
	Sampling rate	48KHz
	Resolution	24-bit
	Bit-rate	64Kbps,128Kbps,192kbps,256kbps,320kbps,384kbps each channel
<b>Multiplexing</b>	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
		Generate PSI/ SI table automatically
<b>Stream output</b>	1 ASI as copy of MPTS ( 8/12 CVBS and 24 CVBS input with MPTS output) IP (MPTS/SPTS) output over UDP/RTP/RTSP	
<b>System function</b>	Network management (WEB)	
	Chinese and English language	
	Ethernet software upgrade	
<b>Miscellaneous</b>	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

	<b>NDS3542K-8</b>	<b>NDS3542K-12</b>	<b>NDS3542K-24</b>
<b>8CVBS Input</b>	●		
<b>12CVBS Input</b>		●	
<b>24CVBS Input</b>			●



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