



NDS3228A



8 in 1 MPEG2/H.264 SD Encoder



## Product Overview

The DEXIN NDS3228A series 8-in-1 MPEG-2/H.264 SD Encoders are our professional SD audio & video encoding and multiplexing device with powerful functionality. It has 8 independent channels of unbalanced audio & CVBS video input interfaces or SD-SDI input interfaces. It supports MPEG-2 and H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC and HE-AAC audio encoding. Its each channel can reach an ultra low bit-rate. Moreover, it has an ASI input and can multiplex the input TS with the 8 encoded SPTS to generate a MPTS output.



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## Key Features

- Support 8 AV (CVBS or SDI optional),1 ASI Input
- H.264 and Mpeg2 video encoding
- MPEG1 Audio Layer 2, LC-AAC and HE-AAC (V2) audio encoding
- Support PSI/SI editing and inserting
- Supports VBR/CBR video encoding
- Supports ultra low bit rate encoding
- Applicable for one Seg/ISDB-T utilization
- Supports MPTS or 8 SPTS UDP IP Output
- Supports IP null packet filter
- Real-time output bit-rate monitoring
- LCD / keyboard and NMS operation
- Update device through NMS port

## Specifications

<b>Input</b>	8 CVBS, BNC interface		<b>NDS3228A</b>
	8 pairs of unbalanced stereo audio, BNC interface		
	V/A: 8xSD-SDI input with embedded audio		<b>NDS3228A-D</b>
	1 ASI input, BNC interface		
<b>Video</b>	Resolution	PAL:720*576/352*288/320*240/320*180/176*144/ 160*120/160*90@50Hz	
		NTSC: 720*480/352*288/320*240/320*180/176*144/ 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	
	Rate Control	CBR/VBR	
	Advanced Pretreatment	De-interlacing, Noise Reduction, Sharpening	
<b>Audio</b>	Encoding	MPEG1 Audio Layer 2, LC-AAC, HE-AAC V2	
	Sampling rate	48KHz	
	Bit-rate	32Kb/s~384Kb/s (each channel)	
<b>Multiplexing</b>		1 ASI input multiplexed with local 8 channels of TS	
<b>Stream output</b>	2*ASI output, BNC interface		
	MPTS / 8 SPTS over UDP, 10/100Base-T Ethernet interface (UDP unicast / multicast)		

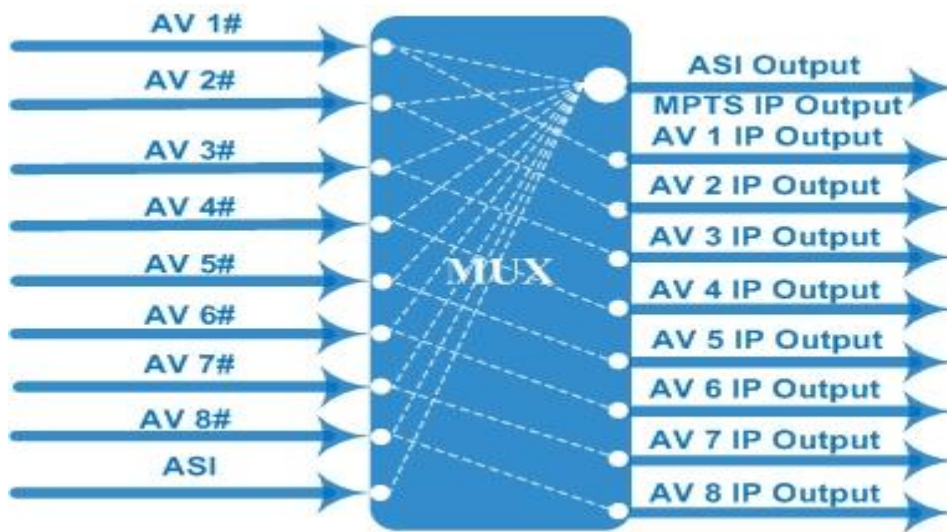


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<b>System function</b>	LCD/keyboard operating, NMS supporting	
	Chinese-English control interface	
	Ethernet software & hardware upgrade	
<b>Miscellaneous</b>	Dimension (W× L× H)	482mm×455mm×44mm
	Approx weight	4kg
	Temperature	0~45℃(work), -20~80℃ (Storage)
	Power	AC 100V-220V±10%, 50/60Hz
	Consumption	25W

## Principle Chart



### Order information:

	NDS3224A	NDS3224A-D	NDS3224A-CVBS/SDI	NDS3228A	NDS3228A-D
CVBS input	4		2	8	
SD-SDI input		4	2		8