



**NDS3224A**

**4-in-1 MPEG2/H.264 SD Encoder**



**Front Panel**



**NDS3224A**



**NDS3224A-D**



**NEW**  
**NDS3224A-CVBS/SDI**

## Outline

The DEXIN NDS3224A series 4-in-1 MPEG-2/H.264 SD Encoders are our professional SD audio & video encoding and multiplexing device with powerful functionality. It has independent channels of unbalanced audio & CVBS video input interfaces or SD-SDI input interface. It supports MPEG-2 and H.264 video encoding and MPEG-1 Audio layer 2, LC-AAC and HE-AAC audio encoding. Each channel can reach an ultra low bit-rate. Moreover, it has an ASI input and can multiplex the input TS with the 4 encoded SPTS to generate a MPTS output.

## Features

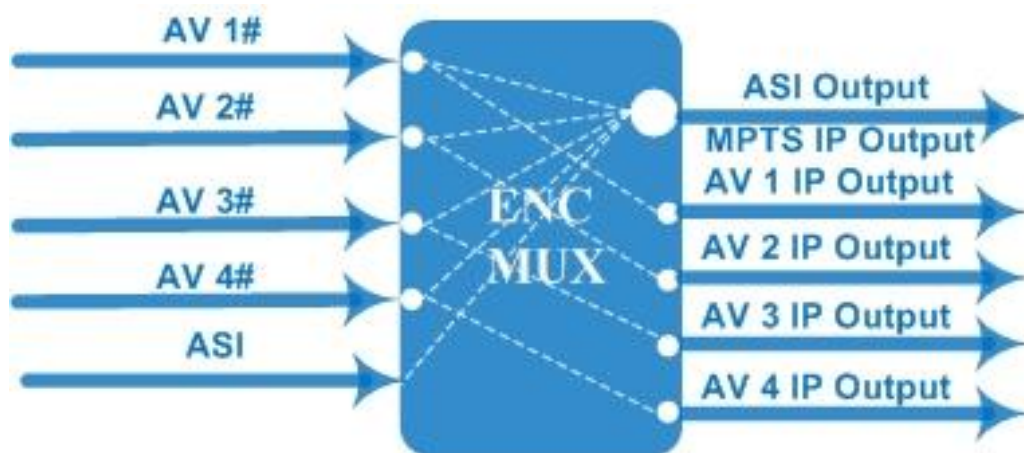
- Support 4 AV (CVBS or SDI optional), 1 ASI Input
- H.264 and Mpeg2 video encoding
- MPEG1 Audio Layer 2, LC-AAC and HE-AAC (V2) audio encoding
- Support PSI/SI editing and inserting
- Supports VBR/CBR video encoding
- Supports ultra low bit rate encoding
- Applicable for one Seg/ISDB-T utilization
- Supports MPTS or 4 SPTS UDP IP Output
- Supports IP null packet filter
- Real-time output bit-rate monitoring
- LCD / keyboard and NMS(Web/SNMP)operation
- Update device through NMS(Web/SNMP) port

## Specifications

Input	V: 4xCVBS, BNC interface	<b>NDS3224A</b>
	A: 4 unbalanced stereo, BNC interface	
	V/A: 4xSD-SDI input with embedded audio	<b>NDS3224A-D</b>
	V: 2xCVBS + 2xSD-SDI BNC interface	<b>NDS3224A-CVBS/SDI</b>
	A: 2xunbalanced stereo + 2xSDI	
	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*120i/160*90i @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
	GOP Structure	IPPPP, IBPBP, IBBPB, IBBBB
Advanced Pretreatment	De-interlacing, noise reduction, sharpening	
Audio	Encoding	MPEG1 Layer 2, LC-AAC, HE-AAC(v2)

	Sampling rate	48Kbps
	Resolution	24 bit
	Bitrate	32Kbps~384Kbps (each channel)
<b>Multiplexing</b>	1 ASI Input for multiplexing	
<b>Stream Output</b>	2 x ASI outputs, BNC interface	
	MPTS/4xSPTS over UDP, 10/100 Base-T Ethernet interface	
<b>System Function</b>	LCD/keyboard operating, SNMP/web management	
	Chinese-English control interface	
	Ethernet software upgrade	
<b>General</b>	Dimensions (WxDxH)	482mmx455mmx44.5mm
	Approx weight	4kg
	Temperature range	0~45°C (operation), -20~80°C (storage)
	Power Supply	AC 100V±10%, 50/60Hz; AC 220V±10%, 50/60Hz
	Power 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