



YXHT



8 in 1 MPEG2/H.264 SD Encoder



## Product Overview

The DEXIN YXHT-3214B 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.

## Key Features

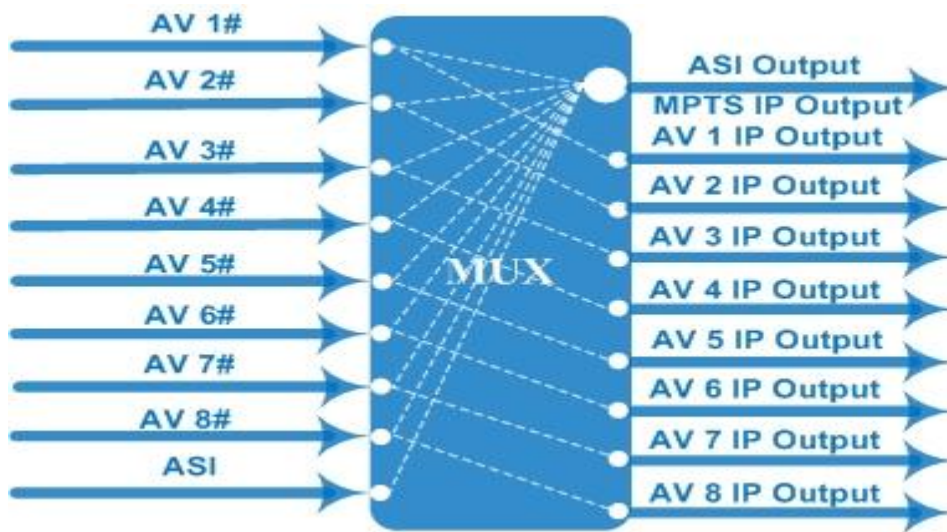
- Support 8 AV (CVBS or SDI optional),1 ASI Input
- H.264 and Mpeg2 video encoding
- MPEG1 Audio Layer 2, LC-AAC and HE-AAC (V2) audio encoding
- Support PSI/SI editing and inserting
- Supports VBR/CBR video encoding
- Supports ultra low bit rate encoding
- Applicable for one Seg/ISDB-T utilization
-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

## Specifications

<b>Input</b>	8 CVBS, BNC interface		<b>YXHT-3214B</b>
	8 pairs of unbalanced stereo audio, BNC interface		
	V/A: 8xSD-SDI input with embedded audio		<b>YXHT-3214B</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)		

<b>System function</b>	LCD/keyboard operating, NMS(Web/SNMP) 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




### Technical comparison

	<b>YXHT-3214B</b>	<b>YXHT-4/8/12</b>
Chipset	Magnum	Magnum
Input interface	8× CVBS, BNC 8×SD-SDI input with embedded audio	4/8/12× CVBS Optional, RCA interface 4/8/12×SD-SDI , BNC interface (Modular design with each module supporting 4 channels, one chassis supporting up to 3 modules)
Bitrate	0.25~15Mbps for H.264 encoding 0.5~15Mbps for MPEG-2 encoding	0.5~5Mbps for both H.264 and MPEG-2 encoding
ASI In&Mux	1 ASI IN	N/A
ASI Output	2*ASI mirrored Output	N/A

IP Output	<ul style="list-style-type: none"> <li>● 8 SPTS or 1 MPTS output over UDP (unicast / multicast)</li> <li>● 10/100Base-T Ethernet interface * 1</li> <li>● one data port for all channels</li> </ul>	<ul style="list-style-type: none"> <li>● 4 SPTS and 1 MPTS output over UDP and RTP for each module (multicast)</li> <li>● 1000 Base-T Ethernet interface*1/2/3</li> <li>● one data port for one module (4 channels)</li> </ul>
OSD insertion	N/A	Support logo/caption/QR Code insertion
Operation	<ul style="list-style-type: none"> <li>● Web-based NMS</li> <li>● SNMP (Optional)</li> <li>● Front panel with LCD+Key board</li> </ul>	<ul style="list-style-type: none"> <li>● Web-based NMS</li> </ul>
Control Mode	One NMS port for all channels	One NMS port for each module (4 channels)