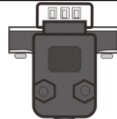
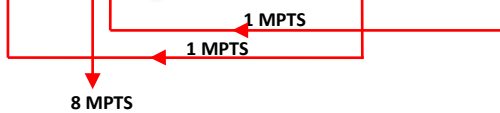




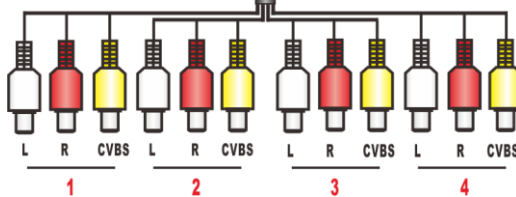
DX3532SA

# Multi-Channel Encoder Modulator



2

1



*\*8=32 Channels*

## Logo/Caption/QR Code Insertion



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## Product Overview

DEXIN DX3532SA is a multi-channel encoder modulator. It integrates encoding, multiplexing and modulating functions in one standard 1U case. Supporting 1 encoding modulating module and 1 encoding module, and both modules accept analog CVBS inputs. After multiplexing the 16 encoded TS (17~32 channels) to the encoding modulating module through 1 ASI port and 1 IP port with one MPTS, and then generating 8 MPTS output through data port.

DX3532SA also supports 1 DVB-C tuner input, 1 ASI and 256 IP input and 8 non-adjacent carriers output through RF output interface and data port output. The device is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation DTV broadcasting system.

## Key features

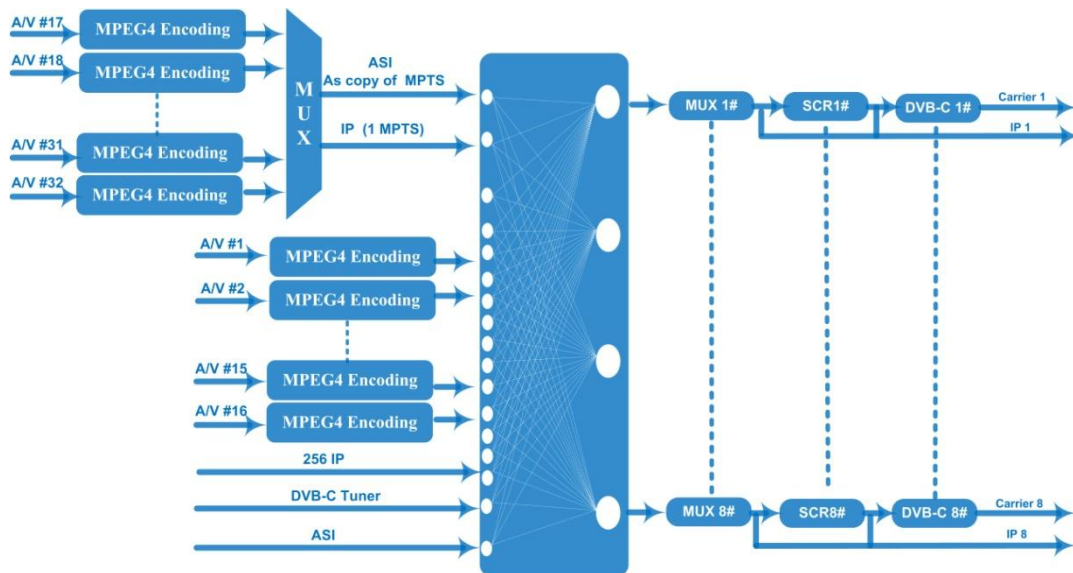
- **Encoding + Encoding Modulating modules in one case**
- **32CVBS input with MPEG4 AVC/H.264 Video encoding**
- **1DVB-C Tuner input and 1 ASI input for re-Mux**
- **256 IP input over UDP and RTP**
- **Support MPEG1 Layer II Audio encoding and support audio gain adjustment**
- **Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting**
- **Support 8\*Mux-SCR-DVBC output/ 8\*Mux-DVBT output**
- **Support 8 MPTS IP output over UDP and RTP**
- **Support Logo, Caption and QR Code insertion**
- **Support Null PKT Filter**
- **Real-time effective encoding output bit-rate monitoring**
- **Control via web management, and easy updates via web**

## Principle Chart

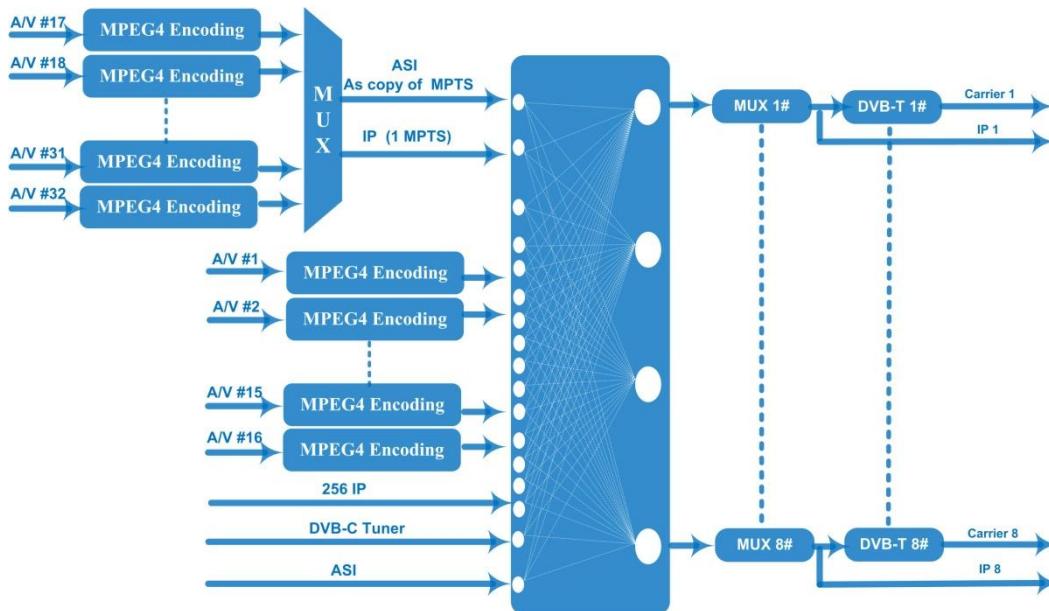


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DVB-C RF output



DVB-T RF output

## Technical specification

<b>Input</b>	32 CVBS inputs , DB15-To-RCA interface	
	1ASI input port	
	256 IP (100/1000M)input over UDP and RTP protocol	
	1 DVB-C Tuner input	
<b>Video</b>	Resolution	720×576i (PAL-B, D, G, H, I), 720×480i (NTSC-M, J)
	Encoding	MPEG4 AVC/H.264 (HP/MP/BP)
	Bit-rate	1Mbps~5Mbps each channel
	Rate Control	CBR/VBR
	GOP Structure	IPP(P frame is adjustable)
<b>Audio</b>	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz
	Resolution	24-bit

	Audio Gain	0-255 adjustable		
	Bit-rate	64/128/192/224/256/320/384Kbps each channel		
<b>Modulation</b>	DVB-C	QAM Channel: 8 non-adjacent carriers output (maximum bandwidth 192MHz)		
		Standard: EN300 429/ITU-T J.83A/B		
		MER: $\geq 40$ dB		
		RF frequency: 50~960MHz, 1KHz step		
	RF output level: -20~+3dBm (87~110 dB $\mu$ V), 0.1dB step			
	Symbol Rate: 5.0Msps~7.0Msps, 1ksps step			
		J.83A	J.83B	
	Constellation	16/32/64/128/256QAM	64/256 QAM	
	Bandwidth	8M	6M	
	DVB-T	Standard	EN300744	
		FFT mode	2K, 4K, 8K	
Bandwidth		6M, 7M, 8M		
Constellation		QPSK, 16QAM, 64QAM		
Guard Interval		1/4, 1/8, 1/16, 1/32		
FEC		1/2, 2/3, 3/4, 5/6, 7/8		
MER		$\geq 40$ dB		
RF frequency		50~960MHz, 1KHz step		
RF out		8*COFDM DVB-T non-adjacent carriers output (maximum bandwidth 192MHz)		
RF output level	-20~+3 dBm (87~110 dB $\mu$ V), 0.1dB step			
<b>Scrambling Parameters</b>	Max simulcrypt CA	4		
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
<b>Stream output</b>	IP (8*MPTS) output over UDP and RTP, 100/1000 Base-T Ethernet interface (Multicast/unicast)			
<b>System function</b>	Network management (WEB)			
	Ethernet software upgrade			
<b>Miscellaneous</b>	Dimension(W×L×H)	482mm×328mm×44mm		
	Environment	0~45℃(work); -20~80℃ (Storage)		
	Power requirements	AC 110V $\pm$ 10%, 50/60Hz, AC 220 $\pm$ 10%, 50/60Hz		