

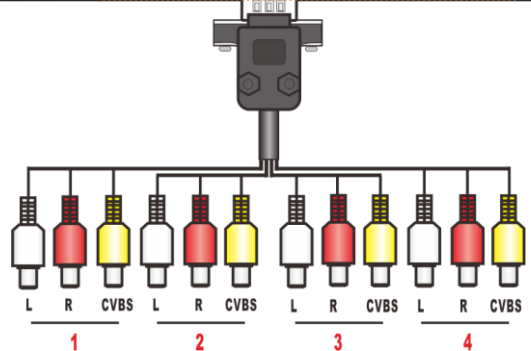


DX3526SA

Encoder Modulator



16 Channels = 4*



Logo/Caption/QR Code Insertion



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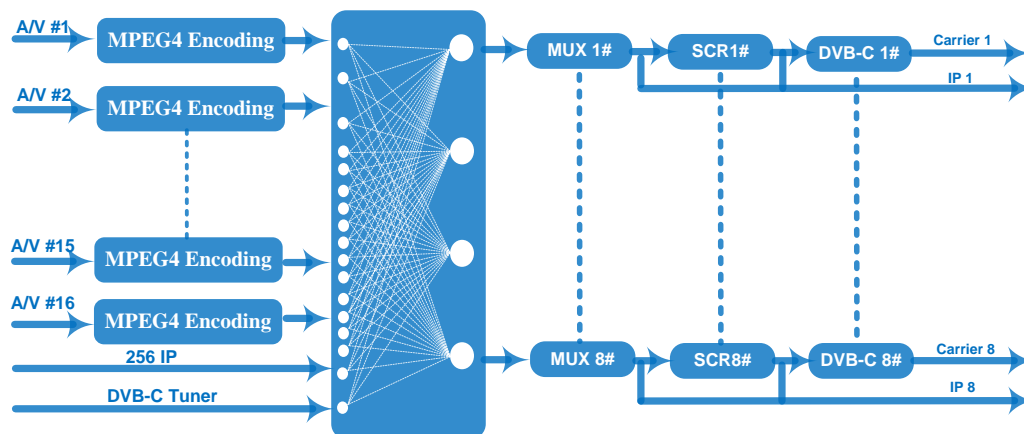
Product Overview

DX3526SA is a high performance and cost-effective encoder modulator designed by Dexin. It has 16 CVBS input with MPEG4 AVC/H.264 Video encoding and 1 DVB-C tuner input and 8 non-adjacent carriers output with multiplexing, scrambling (DVB-C only) and DVB-C/T modulating included. It supports maximum 256 IP input and IP (8MPTS) output through Data port. DX3526SA is also characterized with high integrated level, high performance and low cost. This is very adaptable to newly generation CATV broadcasting system.

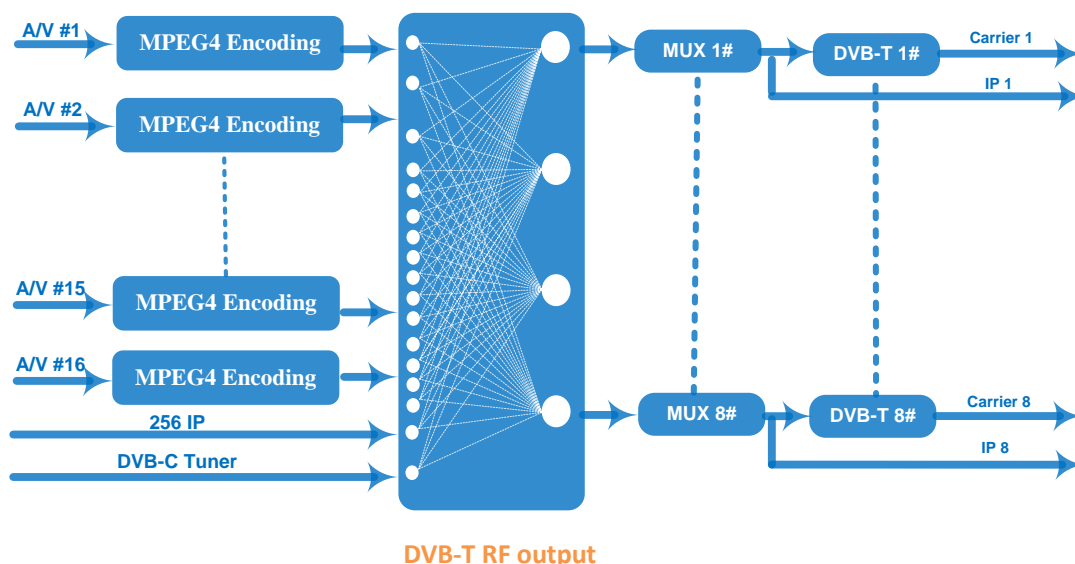
Key Features

- 16 CVBS input with MPEG4 AVC/H.264 Video encoding
- 1DVB-C Tuner 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 over UDP and RTP output
- **Support Logo, Caption and QR Code insertion**
- Support IP Null PKT filter
- Real-time effective encoding output bit-rate monitoring
- Control via web management, and easy updates via web

Principle Chart



DVB-C RF output



Technical Specification

Input	16 CVBS inputs , DB15-To-RCA interface		
	1 DVB-C Tuner input		
256 IP (100/1000M)input over UDP and RTP protocol			
Video	Resolution	720×576i, 720×480i,	
	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)	
Audio	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	
Modulation	DVB-C		
	8* DVB-C non-adjacent carriers output (maximum bandwidth 192MHz)		
	Standard: EN300 429/ITU-T J.83A/B		
	MER: ≥40dB		
	RF frequency: 50~960MHz, 1KHz step		
	RF output level: -20~+3dBm (87~110 dBμV), 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	≥40dB
		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 dBμV), 0.1dB step
Scrambling Parameters	Max simulcrypt CA	4	
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote connection	
Stream output	IP (8*MPTS) output over UDP and RTP, 100/1000 Base-T Ethernet interface (Multicast/unicast)		
System function	Network management (WEB)		
	Ethernet software upgrade		
Miscellaneous	Dimension(W×L×H)	482mm×328mm×44mm	
	Environment	0~45℃(work); -20~80℃ (Storage)	
	Power requirements	AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz	