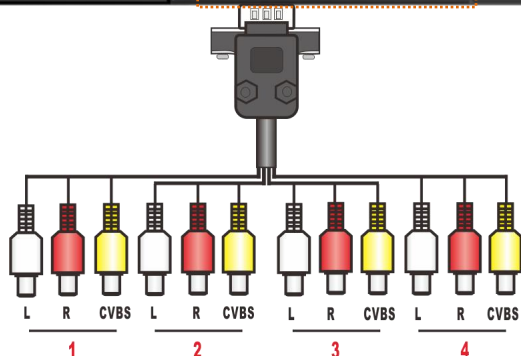




NDS3526SA

Encoder Modulator



****4=16 Channels***

Logo/Caption/QR Code Insertion



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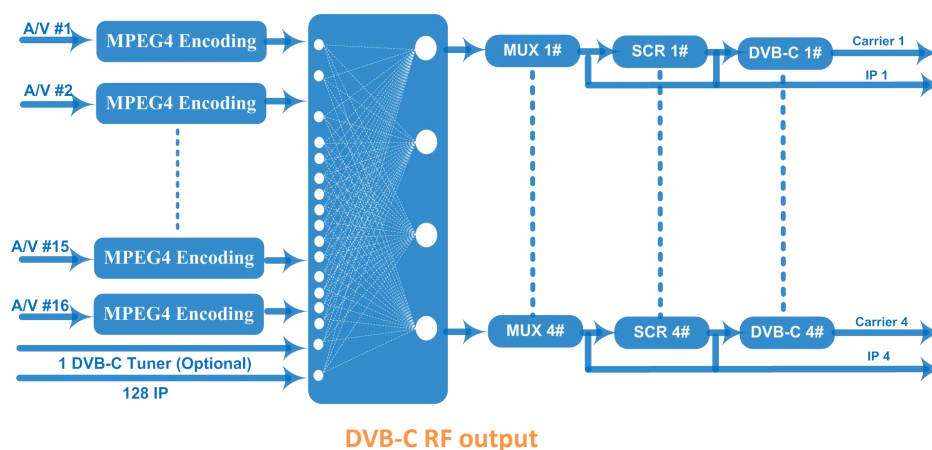
Product Overview

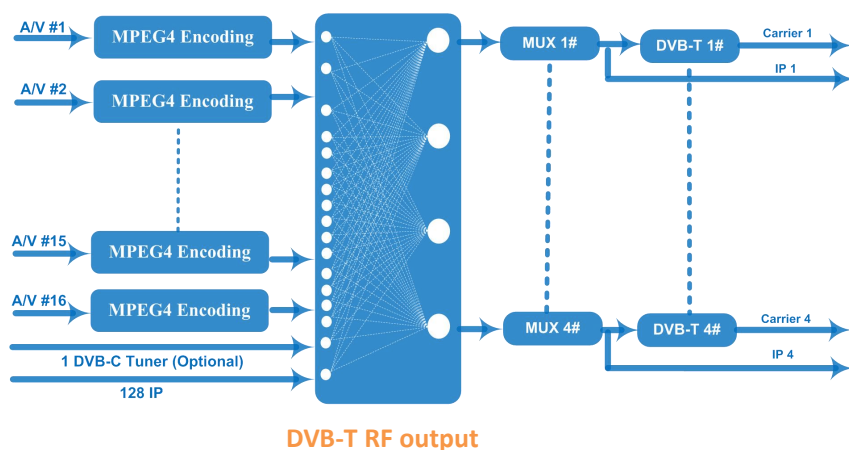
NDS3526SA is a high performance and cost-effective encoder modulator designed by Dexin. It supports 16 CVBS input with MPEG4 AVC/H.264 Video encoding and 4ch DVB-C/T non-adjacent carrier outputs with multiplexing (and scrambling in DVB-C out version) included. It also supports up to 128 IP input for re-mux and IP (4MPTS) output through Data port as mirror of carriers. NDS3526SA 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
- 128 IP input for re-mux over UDP and RTP (1DVB-C tuner input for re-mux optional)
- Support MPEG1 Layer II Audio encoding and support audio gain adjustment
- Support PID remapping/ PSI/SI editing and inserting
- Support 4*Mux-SCR-DVB-C output, or 4*Mux-DVB-T output
- Support 4*MPTS IP over UDP and RTP output, 1*ASI output (optional)
- Support Logo, Caption and QR Code insertion(Language Supported: 中文, English, العربية, ไทย, हिन्दी, for more languages please consult us...)
- Support IP Null PKT filter
- Real-time effective encoding output bit-rate monitoring
- Control via web management, and easy updates via web

Principle Chart





Technical Specification

Input	16 CVBS inputs , DB15-To-RCA interface			
	128 IP (100/1000M)input over UDP and RTP protocol			
	1DVB-C tuner input for re-mux (optional)			
Video	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)		
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	4* DVB-C non-adjacent carriers		
		Standard: EN300 429/ITU-T J.83A/B		
		MER: ≥40dB		
		RF frequency: 50~960MHz, 1KHz step		
		RF out 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		4*COFDM DVB-T non-adjacent carriers		
RF out level		-20~+3 dBm (87~110 dBμV), 0.1dB step		

Scrambling (for DVB-C out version)	Max simulcrypt CA	4
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197
	Connection	Local/remote connection
Stream output	IP (4*MPTS) output as mirror of 4 carriers over UDP and RTP, 100/1000 Base-T Ethernet interface (Multicast/unicast) 1*ASI output (optional)	
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