



Outline

NDS3394C is a high performance and cost-effective QAM modulator designed by Dexin. It has 16 DVB-S/S2 FTA tuner input to 16 non-adjacent carrier output with multiplexing, scrambling and QAM modulating included. It also supports maximum 512 IP input port and one IP (MPTS) output through GE1 and TS input for re-mux through 2 ASI ports.

NDS3394C is also characterized with high integrated level, high performance and low cost. It supports dual power supply (optional). This is very adaptable to newly generation CATV broadcasting system.

Key Features

- 16 DVB-S/S2 FTA Tuner + 2 ASI input+512 IP (GE1 only) input over UDP and RTP protocol
- 16*DVB-C RF output

- Excellent RF output performance index, MER≥40db
- Support 16 groups multiplexing+16 groups scrambling +16 groups QAM modulating
- 1 IP(MPTS) output over UDP and RTP/RTSP, as mirror of one carrier
- Support accurate PCR adjusting
- Support PSI/SI editing and inserting
- Support Web management, Updates via web
- Redundancy Power Supply (optional)

Specifications

Input	16 DVB-S/S2 FTA Tuner		
	512 IP (GE1only)input over UDP and RTP protocol		
	2 ASI input, BNC interface		
Tuner Section	DVB-S	Input Frequency	950-2150MHz
		Symbol rate	2-45Msps
		Signal Strength	-65~-25dBm
		FEC Demodulation	1/2, 2/3, 3/4, 5/6, 7/8 QPSK
	DVB-S2	Input Frequency	950-2150MHz
		Symbol rate	QPSK 1~45Mbauds 8PSK 2~30Mbauds
		Code rate	1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
		Demodulation Mode	QPSK, 8PSK
Multiplexing	Maximum PID Remapping	128per input channel	
	Function	PID remapping (automatically or manually)	
		Accurate PCR adjusting	
		Generate PSI/SI table automatically	
Scrambling Parameters	Max simulcrypt CA	4	
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197	
	Connection	Local/remote connection	
Modulation	QAM Channel	16	
	Standard	EN300 429/ITU-T J.83A/B	
	MER	≥40db	
	RF frequency	50~960MHz, 1KHz step	
	RF output level	-20~+10dbm(87~107 dbμV),0.1db step	
	Symbol Rate	5.0Msps~7.0Msps, 1ksps stepping	
	Constellation	16/32/64/128/256QAM	
		J.83A	J.83B
Constellation	16/32/64/128/256QAM	64/256 QAM	



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	Bandwidth	8M	6M
System	Remote management	Web NMS (10M/100M)	
	RF Out	16 DVB-C output	
	IP Out	1 IP (MPTS) output over UDP and RTP/RTSP (GE1 only) As mirror of one carrier	
	Language	English and Chinese	
	Software Upgrading	Web	
General	Dimension (W*D*H)	482mm×300mm×44.5mm	
	Weight	3.7kg	
	Temperature	0~45°C (Operation) ; -20~80°C (Storage)	
	Power	AC 100V±10%/60Hz; AC 220V±10%, 50/60HZ	
	Consumption	25W	

Working Principle

