

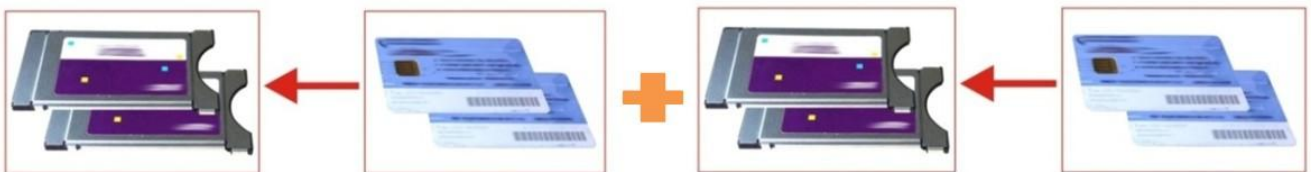


NDS3348C

4 in 1 DVB-C Modulator



4 CI Slots = 4*CAM + 4*Smartcard



Outline

NDS3348C is a high performance and cost-effective DVB-C modulator designed by Dexin. It has 8 DVB-S2 tuner inputs, after multiplexing, scrambling and modulating process, then it gives 4 RF output. To meet customers' various requirements, this device is also equipped with 128 IP input and 4 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, the four CAMs/CIs accompanied can descramble the programs input from 8 Tuner inputs. NDS3348C can be upgraded and controlled through network system, which allows it to be widely used in setting up digital broadcasting network and very adaptable to newly generation CATV broadcasting system.

Features

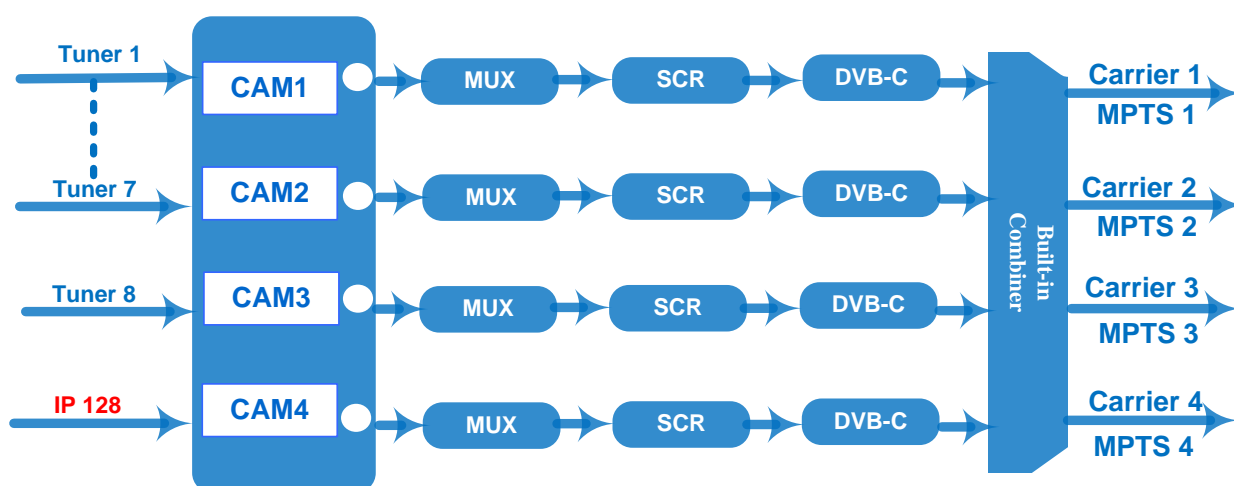


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- 8 Tuner(DVB-S2) input
- Demodulation Module(4*RF/Loop out + 4*CAM + 4*Smartcard)
- One CAM can decrypt multiple programs from Tuners and IP
- maximum 128 IP input(MPTS/SPTS) over UDP and RTP protocol
- 4 groups multiplexing + 16 groups scrambling + 4 groups DVB-C modulating
- 4 IP (MPTS) output over UDP and RTP protocol
- Integrated demodulating and multiplexing functions
- Support accurate PCR adjusting
- Support PID Remapping
- Support PSI/SI rebuilding and editing
- Web-based NMS management

Principle Chart



Specifications

Input	8 Tuner (DVB-S2) input		
	128 IP(SPTS/MPTS) input over UDP and RTP, RJ45, 1000M/100M Unicast/Multicast		
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
		Constellation	QPSK, 8PSK

Descrambling	CAM/CI Quantity	4		
Multiplexing	Maximum PID Remapping	256 per input channel		
	Function	PID Remapping		
		Accurate PCR adjusting		
Generate PSI/SI table automatically				
Modulation	DVB-C	Standard	J.83A (DVB-C), J.83B,	
		MER	≥43dB	
		RF frequency	30~960MHz, 1KHz step	
		RF output level	-25~ -1dbm (77~97 dbμV), 0.1db step	
		Symbol rate	5.000~7.000Msps adjustable	
		RF Out	4*DVB-C adjacent carriers combined output	
		MER	≥42 dB	
			J.83A	J.83B
		Constellation	16/32/64/128/ 256 QAM	64/ 256 QAM
		Bandwidth	8M	6M
System	Remote management	Web NMS		
	Stream Out	4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast)		
	Language	English and Chinese		
	Software Upgrading	Web and USB		
General	Dimension (W*D*H)	482mm×300mm×44.5mm		
	Weight	3.7kg		
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)		
	Power	AC 100V±10%/50/60Hz; AC 220V±10%, 50/60HZ		
	Consumption	25W		