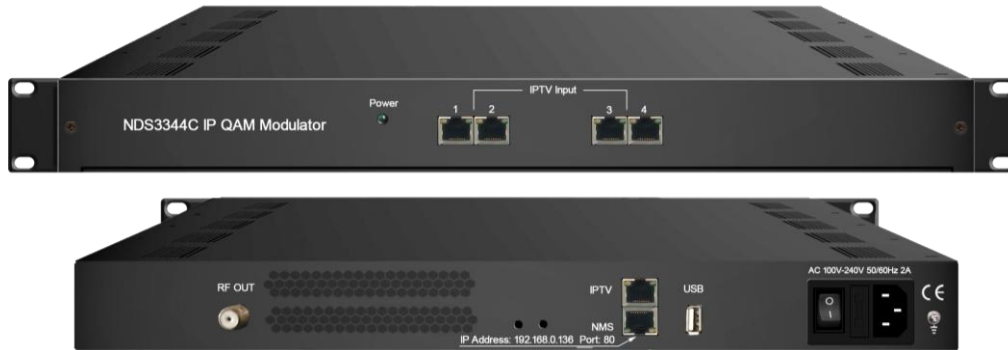# DEXING

NDS3344C

IP QAM Modulator

Outline

NDS3344C IP QAM modulator is an all-in-one device integrated with multiplexing, scrambling and modulation in one case. It supports 192 IP (SPTS/MPTS) input over UDP/RTP with 4 Ethernet FE ports and 1 GE port. After multiplexing, scrambling and modulating process, it gives 4 DVB-C adjacent carriers (30MHz~1000MHz) output through the RF output interface. To meet customers' various requirements, this device is also equipped with 1 data port for 4 IP (SPTS/MPTS) output over UDP protocol.

With the features of low cost and high performance, NDS3344C is very adaptable to IPTV system.

Key Features

- 4*FE and 1*GE Ethernet IP input ports

- 192 IP (SPTS/MPTS) input over UDP/RTP protocol

- Support up to 748 PIDS remapping per channel

- Support accurate PCR adjusting/PSI/SI editing and inserting /PID Remapping/PID pass

- Excellent RF output performance index, MER≥40db

- 4 multiplexed or scrambled TS over UDP output

- 4 adjacent QAM carriers output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B/C

- USB for upgrading CPU/FPGA

- Support IPTV Sync and NTP function

- Support Web-based Network management

Specifications

Input	128 IP (SPTS/MPTS) input over UDP/RTP, 4*100M Ethernet port, and 64 IP (SPTS/MPTS) input over UDP/RTP, 1*100/1000M Ethernet ports	
Multiplexing	Maximum PID Remapping	748 per input channel
	Function	PID remapping (automatically or manually)
		Accurate PCR adjusting
		Generate PSI/SI table automatically
Scrambling	Maximum simulcrypt CA	4
	Standard	ETSI 101 197, ETSI 103 197
	Connection	Local/remote connection
Modulation	QAM Channel	1 F typed output port for 4 carriers, 75Ω
	Standard	EN300 429/ITU-T J.83A/B/C
	MER	≥40db
	RF Frequency	30~1000 MHz, 1kHz stepping
	RF Output level	-10dBm~+0dBm, 0.1dB stepping
	FEC	RS (204, 188)
	Symbol Rate	5.0Msps~9.0Msps, 1ksps stepping

	J.83A	J.83B	J.83C
Constellation	16/32/64/128/256QAM	64/256 QAM	64/256 QAM
Bandwidth	8M	6M	6M

Stream Out	4 IP (SPTS/MPTS) output over UDP, 1*1000M Ethernet port (IPTV Port)
System	Web-based Network management
	Chinese and English Language
	Web and USB software upgrade
General	Dimension: 430mm×180mm×44mm (W*L*H)
	Temperature: 0~45℃(Operation) ; -20~80℃(Storage)
	Power: AC 100V±1050/60Hz; AC 220V±10%, 50/60HZ

Working Principle