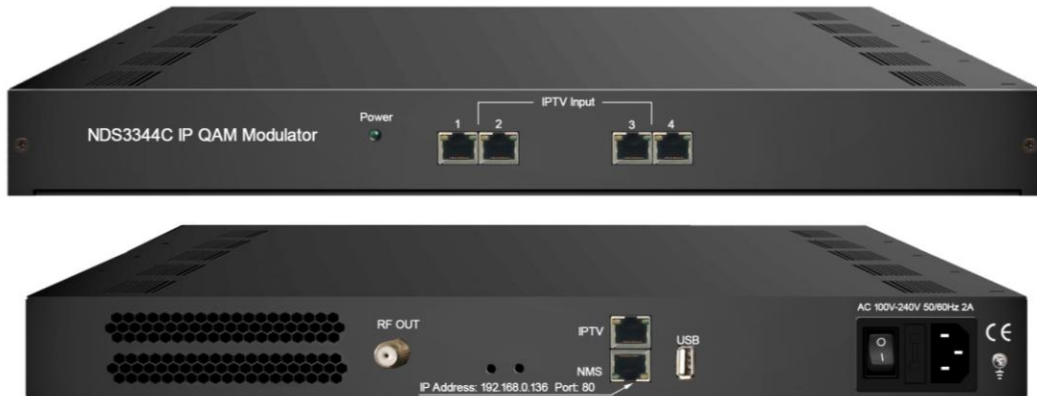




**NDS3344C**

**IP QAM Modulator**



## Outline

NDS3344C IP QAM modulator is an all-in-one device integrated with multiplexing, scrambling and modulation in one case. It has 512 IP (SPTS/MPTS) input over UDP/RTP with 4 Ethernet ports. 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 Ethernet IP input port (IPTV 1,2,3,4)**
- **512 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  $\geq$  40db**



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- 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
- Support Web-based Network management

## Specifications

<b>Input</b>	512 IP (SPTS/MPTS) input over UDP/RTP protocol, 4*100M Ethernet ports			
<b>Multiplexing</b>	Maximum PID Remapping	748 per input channel		
	Function	PID remapping (automatically or manually)		
		Accurate PCR adjusting		
		Generate PSI/SI table automatically		
<b>Scrambling</b>	Maximum simulcrypt CA	4		
	Standard	ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
<b>Modulation</b>	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
<b>Stream Out</b>	4 IP (SPTS/MPTS) output over UDP, 1*1000M Ethernet port (IPTV Port)			
<b>System</b>	Web-based Network management			
	Chinese and English Language			
	Web and USB software upgrade			
<b>General</b>	Dimension	430mm×180mm×44mm (W*L*H)		
	Temperature	0~45°C (Operation) ; -20~80°C (Storage)		
	Power	AC 100V±10%/50/60Hz; AC 220V±10%, 50/60HZ		

## Working Principle



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