



NDS3301A

QAM Modulator



Product Overview

The DEXIN NDS3301A QAM modulator is a high performance modulator developed according to DVB-C (EN300429) standard which is the standard of the European broadband satellite telecommunication. It provides a more powerful receiving ability of various TS come from encoder, multiplexer, DVB gateway, scrambler and video server. In addition, the modulator also has the function of outputting RF, and simultaneously disposes the TS by RS encoding, convolution interlacing and QAM modulating. This device supports local and remote control through NMS software. For the field scope, it can be used for Broadcasting, Interactive Services, News Gathering and other Broadband satellite applications.

Key Features

- Fully complying with DVB-C(EN300 429), ITU-T J.83A/B/C standard
- Symbol rate adjusting range: 5.0Msps~9.0Msps
- Five constellation modes: 16QAM, 32QAM, 64QAM, 128QAM and 256QAM
- Support ASI input
- Huge buffer memory for the burst code stream



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- Intelligence null packet deleting, automatically TS filling
- Support PCR accurate adjusting
- Support NIT insertion
- Support PID filtering, re-mapping and PSI/SI update synchronously
- RF Output frequency range: 30MHz~1000MHz in 1 kHz step
- Output frequency attenuation range: -16dBm~+12dBm in 0.5dB step
- LCD and keyboard operation
- Web-based NMS operation

Specifications

Input	1 channel ASI input, BNC interface, 75Ω	
Modulation	QAM Channel	1
	Standard	EN300 429/ITU-T J.83A/B/C
	Symbol Rate	5.0~9.0Msps, 1ksps stepping
	Constellation	16、32、64、128、256QAM
	FEC	RS(204, 188)
RF Output	Connector	F Type, 75Ω impedance
	RF Range	30~1000MHz, 1kHzStepping
	Output Attenuation	-16dBm~+12dBm, 0.5dB Stepping
System	LCD/keyboard operating and NMS support	
	English and Chinese interface conversion	
	Ethernet software upgrading	
General	Dimension(W*D*H)	482mm×300mm×44mm
	Weight	2.3kg
	Temperature	0~45℃(Operation) ; -20~80℃(Storage)
	Power	AC 110V±10%, 50/60Hz; or AC 220V±10%, 50/60Hz
	Consumption	22W