



NDS3301B

DVB-C Modulator



Outline

The DEXIN NDS3301B DVB-C (QAM) modulator is a high performance modulator developed according to DVB-C (EN300429) standard which is the standard of the European broadband satellite telecommunication. This unit provides a more powerful receiving ability to receive TS coming from encoder, multiplexer, DVB gateway, scrambler and etc. The output content carried by RF can be alternated between ASI input or IP input. Simultaneously, the modulator disposes the TS with RS encoding, convolution interlacing and QAM modulating. For the field scope, it can be used for Broadcasting, Interactive Services, News Gathering and other Broadband satellite applications.

Features

- Fully complying with EN300 429/ITU-T J.83A/B/C (DVB-C), GB/T170 standard
- Symbol rate adjusting range: 5.0Msps~7.0Msps
- Five constellation modes: 16QAM, 32QAM, 64QAM, 128QAM and 256QAM
- 1*ASI input and 1*IP input, the unit chooses one input to modulate and output through RF



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- Huge buffer memory for the burst code stream
- Intelligence null packet deleting, automatically TS filling and PCR accurate adjusting
- NIT insertion
- Support PID filtering, re-mapping and PSI/SI update synchronously.
- Effective inputting real-time bit rate monitoring
- RF Output frequency range: 30MHz~960MHz, 1 kHz step
- LCD and keyboard operation, and web NMS operation

Specifications

Input	1 channel ASI input, BNC interface, 75Ω	
	1 channel IP (MPTS/SPTS) input over UDP (Unicast/Multicast) (100M Port)	
Modulation	QAM Channel	1
	Standard	EN300 429/ITU-T J.83A/B/C, GB/T170
	Symbol Rate	5.0~7.0Msps , 1ksps stepping
	Constellation	16/32/64/128/256 QAM
	FEC	RS (204, 188)
RF Output	Connector	F Type, 75Ω impedance
	RF Range	30~960MHz , 1kHz Stepping
	Output Attenuation	-30dBm~0dBm, 0.5dB Stepping
System	LCD/Keyboard operating and web NMS support	
	Ethernet software upgrading	
General	Dimension(W*D*H)	482mm×300mm×44mm
	Weight	2.3kg
	Temperature	0~45°C (Operation) ; -20~80°C (Storage)
	Power	AC 110V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	22W

Principle Chart

