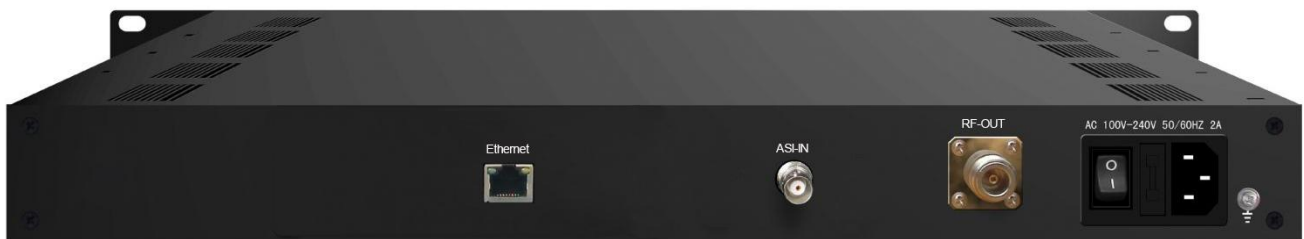
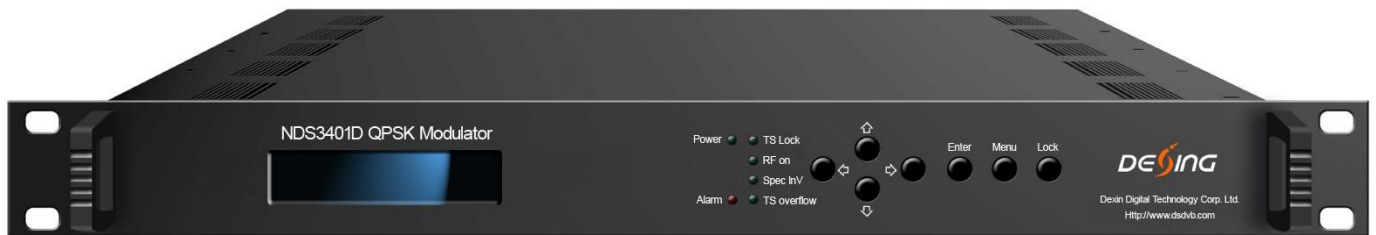




NDS3401D

QPSK Modulator



Outline

The DEXIN NDS3401D QPSK modulator is developed according to DVB-S (EN300421) QPSK standard. It has powerful spectral efficiency, advanced anti-jamming and competitive price-performance ratio. To guarantee the high transmission performance, this QPSK modulator adopts the disposal of energy diffusing, RS coding, convolution interleaving and pre-modulated baseband shaping. To sum up, all the approaches make this NDS3401D QPSK modulator widely used in Broadcasting, Interactive Services, News Gathering and other Broadband satellite applications.

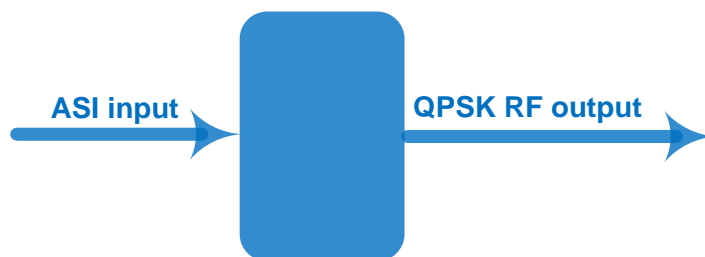
Features

- Fully complying with DVB-S (EN300421) standard
- Support 1 ASI input
- QPSK Constellations
- Output frequency range: 950~2150MHz, 10KHz stepping
- Support local and remote control with Web-based NMS



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Principle Chart



Specifications

ASI Input	1×ASI input, BNC interface	
RF Output	RF Range	950 ~ 2150 MHz, 10KHz stepping
	Output Level	-10.0 dBm~-41.5 dBm,0.5dBm Stepping
	MER	≥26dB
	Connector	N type, Impedance 50Ω
	Outer coding	RS Coding
	Inner coding	Convolution
	Constellation	QPSK
	FEC/Convolution Rate	1/2,2/3, 3/4, 5/6, 7/8
	Roll-off Factor	0.35
	Symbol Rate	0.05~45Msps
System	Web-based NMS	
	Language: English	
	Ethernet software upgrade	
Miscellaneous	Dimension	482mm×245mm×44mm (W*D*H)
	Temperature	0~45℃ (operation), -20~80℃ (storage)
	Power	AC 100-240V, 50Hz-60Hz 2A