



NEW

NDS3403 DVB-S2X Modulator

- > Support RF CID
- > Compatible with DVB-S/S2



CID TEST SAMPLE ILLUSTRATION

Setting in NDS3403 Web management

CID MAC	00 : AA:BB:CC:DD:EE:FF:00:11	ON
Latitude	06 ° 55 ' 36 North	ON
Longitude	026 ° 21 ' 44 East	ON
Phone Number	+086011223344556677 <input type="checkbox"/> ext.	ON
User Data	55552525252	ON

Apply Get Config

ControlCast Jupiter

HOME CONFIG. MONIT. SCAN CID STATUS

DVB Carrier ID Extraction

CID Extraction: ON

RF Input Selected: RF Input 1

L-Band CID Frequency: 999.991

Demod Lock: ON

CID Synchro: ON

CID Demod: ON

CID Content Available: ON

CID Extraction Progress: [Progress Bar]

Global Unique Identifier: AA:AA:BB:CC:DD:EE:FF:00:11

Format: 1

Latitude: 6.55.36, N

Longitude: 26.21.44, E

Telephone: +086011223344556677

User Data: 55552525252

Commands List: [Demod 1] TX TX 11 21 3B9ACA0001A39DE002020000000000000000000000000004C4B40

Get_Address Set_Demod_Config RX TX 11 21

Connected Traffic Alarm Demod/FBC 1 Demod/FBC 2 ASI 1 ASI 2

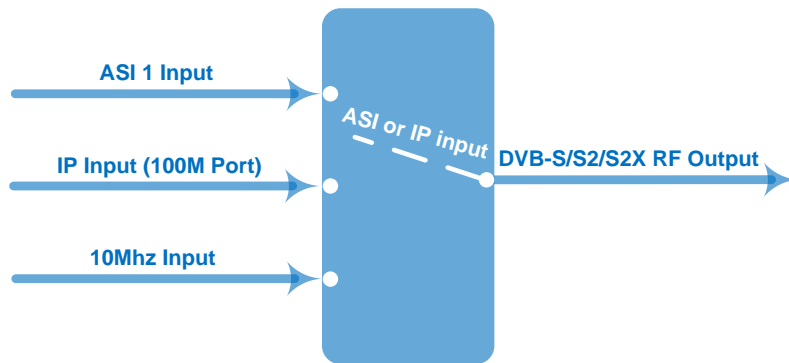
Outline

DEXIN NDS3403 is a high-performance modulator developed according to DVB-S2X (EN302 307-2) standard which is the standard of third generation of the European broadband satellite telecommunication. It is to convert the input ASI and IP signals alternatively into digital DVB-S/S2/S2X RF output. BISS scrambling mode is inserted to this DVB-S2X modulator, which helps to safely distribute your programs. It is easy to reach local and remote control with NMS software and LCD in the front panel. With its high cost-effective design, DEXIN NDS3403 DVB-S2X modulator is widely used for broadcasting, interactive services, news gathering and other broadband satellite applications.

Features

- Fully complying with DVB-S (EN300 421), DVB-S2 (EN302 307) and **DVB-S2X** (EN 302 307-2) standard
- 4 ASI inputs supporting backup (3 for backup)
- Support IP (100M) signal input
- QPSK, 8PSK, **8APSK, 16APSK, 32APSK** Constellations
- **Support RF CID setting**
- Constant temperature crystal oscillator, as high as 0.1ppm stability
- Support coupling 10Mhz clock output through RF output port
- Support 24V power output through RF output port
- Support BISS scrambling
- Support local and remote control with Web-server NMS
- Support SFN TS transmission

Principle Chart



Specifications

ASI Input	Supporting both 188/204 Byte Packet TS Input			
	4 ASI Inputs, Supporting Backup			
	Connector: BNC, Impedance 75Ω			
IP Input	1*IP Input (RJ45, 100M TS Over UDP)			
10MHz Input	1*10MHz Input (BNC Interface)			
RF Output	RF Range: 950 ~ 2150 MHz, 10KHz step			
	Output Level Attenuation: -27.5 dBm ~ -1.5 dBm, 0.5dB Step			
	MER ≥ 40dB			
	Connector: N type, impedance 50Ω			
Channel Coding and Modulation	Standard	DVB-S	DVB-S2	DVB-S2X
	Outer coding	RS Coding	BCH Coding	BCH Coding
	Inner coding	Convolution	LDPC Coding	LDPC Coding
	Constellation	QPSK	QPSK, 8PSK, 16APSK, 32APSK	QPSK, 8PSK, 8APSK, 16APSK, 32APSK
	FEC/ Convolution Rate	1/2, 2/3, 3/4, 5/6, 7/8	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10	QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 13/45, 9/20, 11/20 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10, 23/36, 25/36, 13/18 8APSK: 5/9-L, 26/45-L 16APSK: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10, 1/2-L, 8/15-L, 5/9-L, 26/45, 3/5, 3/5-L, 28/45, 23/36, 2/3-L, 25/36, 13/18, 7/9, 77/90 32APSK: 3/4, 4/5, 5/6, 8/9, 9/10



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				2/3-L, 32/45, 11/15, 7/9
	Roll-off Factor	0.2,0.25,0.35	0.2, 0.25, 0.35	0.05, 0.10, 0.15, 0.2, 0.25, 0.35
	Symbol Rate	0.05~45Msps	0.05~40Msps (32APSK); 0.05~45Msps (QPSK/8PSK/16APSK)	0.05~40Msps (8APSK /32APSK) 0.05~45 Msps (8PSK/QPSK/16APSK)
	BISS Scramble	Mode 1, Mode E, Mode 0		
System	Web-server NMS			
	Language: English			
	Ethernet software upgrade			
	24V power output through RF output port			
Miscellaneous	Dimension	482mm×410mm×44mm		
	Temperature	0~45°C (operation), -20~80°C (storage)		
	Power	100-240VAC±10%,50Hz-60Hz		

Order Guide

	NDS3402E	NDS3402F	NDS3403	NDS3403F
DVB-S/S2	●	●	●	●
DVB- S2X			●	●
RF output (950-2150MHz)	●		●	
IF output (50- 960MHz)		●		●