



NDS3542E

Encoder Modulator

4* S-Video/YPbPr/CVBS&1 Tuner (DVB-C) → DVB-C Digital RF



Key Features

- Encoding + modulating + mixer modules in one box
- 4* S-Video/YPbPr/CVBS inputs
- 1 Tuner (DVB-C) input, 1 ASI in/out with re-mux
- 1 IP output (MPTS)
- RF mixed in, RF mixed out
- MPEG2 Video encoding
- MPEG1 Layer II, AC3 Audio encoding
- LCN support (Logical Channel Number)
- Excellent modulation quality: MER≥42db
- LCD display, Remote control and Firmware, web NMS management
- Updates via web
- Best quality and breakthrough price



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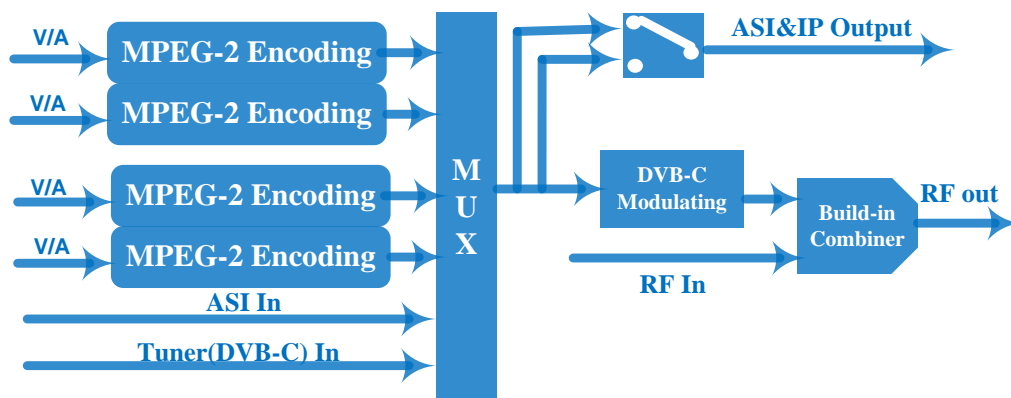
Product Overview

NDS3542E encoder modulator is DEXIN's all-in-one devices which integrate encoding (MPEG-2) and modulation (DVB-C) to convert V/A signals into RF output. It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules (CVBS/YPbPr/S-video...) as needed. To meet customers' various requirements, NDS3542E is also equipped with 1 DVB-C tuner input and 1 ASI input for re-mux, and output with 2 ASI ports and 1 IP port.

The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, and antenna etc. Its output signals are to be received by TVs, STB and etc with corresponding standard.

With its various inputs available, our NDS3542E encoder modulator is widely used in public places such as metro, market hall, theatre, hotels, resorts, and etc for advertising, monitoring, training and educating in company, schools, campuses, hospital...

Principle Chart



Specification

Input

4xS-Video/YPbPr/CVBS
1xASI input, BNC interface
1xTuner (DVB-C)input, 1xRF input, for combiner

Encoding Section

Video

Input	S-Video/YPbPr/CVBS *4
Encoding	MPEG-2 MP@ML(4:2:0)

Bitrate	0.125-19Mbps
Resolution	720*480_60i, 720*576_50i
GOP	GOP_0_B, GOP_1_B, GOP_2_B, GOP_3_B,
Resolution	720*480_60i, 720*576_50i

Audio

Encoding	MPEG1 Layer II, AC3
Sample rate	48KHz
Bit rate	64kbps, 96kbps,128kbps, 192kbps, 256kbps, 320kbps



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DVB-C Modulator Section

Standard	J.83A , J.83B, J.83C
MER	≥42dB
RF frequency	30~960MHz, 1KHz step
RF output level	-30~ -10dbm(81~97 dbμV), 0.1db step
Symbol rate	5.000~9.000Msps adjustable
J.83A	
Constellation	16/32/64/128/256QAM
bandwidth	8M
J.83B	
Constellation	64QAM/ 256QAM
bandwidth	6M
J.83C	
Constellation	64QAM/ 256QAM
bandwidth	6M

Stream Output

1*RF
2×ASI outputs, BNC interface
MPTS over UDP, RTP/RTSP, 10/100Base-T Ethernet interface (UDP unicast / multicast)

System

Local interface	LCD + control buttons
Remote management	Web NMS Management
Language	English

General

Power supply	AC 100V~240V
Dimensions	482*300*44.5mm
Weight	4 kgs
Operation temperature	0~45 °C