



## Key Features

- Modular design.
- MPEG2 low bit rate encoding.
- 720\*576 (PAL), 720\*480 (NTSC).
- 4\* CVBS in, 1\*ASI in.
- RF COFDM DVB-T out, ASI out.
- LCN support (Logical Channel Number).
- Excellent modulation quality MER≥42dB.
- RF Frequency range: 30Mhz~960Mhz.
- LCD window, Remote control and firmware.
- Updates via web/Ethernet.
- Product - 2 Channel, 4 Channel & 8 Channel.

## Network Architecture



## Product overview

NDS3542 encoder & modulator is a device integrated with MPEG2 encoding and DVB-T modulation to convert SD AV signals to DVB-T RF out in the frequency range of 30~960MHz. It has equipped with 4 channels CVBS input and 1ASI input.

The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, and antenna etc. its output signal is to be received by a DVB-T standard TV, DVB-T STB and etc. The device can be used in public places such as metro, market hall, theatre, hotels, resorts, etc for advertising. It also can be used for monitoring, training and educating in company, schools, campuses, hospital... Besides, it's a good choice for bars to offer HD sports channels, for VIP entertainment channels, and more.

## Specification

### Input

4 x CVBS input (HDMI/SDI/RF/.../ optional)
1xASI input, BNC interface

### Encoding Section

#### Video

Encoding	MPEG-2 MP@ML(4:2:0)
Input	CVBS*4
Resolution	720*576(PAL), 720*480(NTSC)

#### Audio

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

### Modulator Section

Standard	DVB-T
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM,
Code rate	1/2, 2/3, 3/4, 5/6, 7/8.
Guard Interval	1/32, 1/16, 1/8, 1/4.
Transmission Mode:	2K, 8K

MER	≥42dB
RF frequency	30~960MHz, 1KHz step
RF output level	-30~ -10dbm(81~97 dbμV), 0.1db step

### Stream Output

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

### Interface

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

### General

Power supply	AC 100V~240V
Dimensions	482*300*44.5mm
Weight	4.5 kgs
Operation temperature	0~45℃