

HDMI **DVB-T RF**

--- Home Version



A device that allows audio and video signal input in TV distributions with applications in home entertainment, Digital Signage for hotels, shops, restaurants etc...

HDMI[®]
HIGH-DEFINITION MULTIMEDIA INTERFACE

((HDCP))

USB

H.264
MPEG-4/AVC

Full HD
1080

General Description

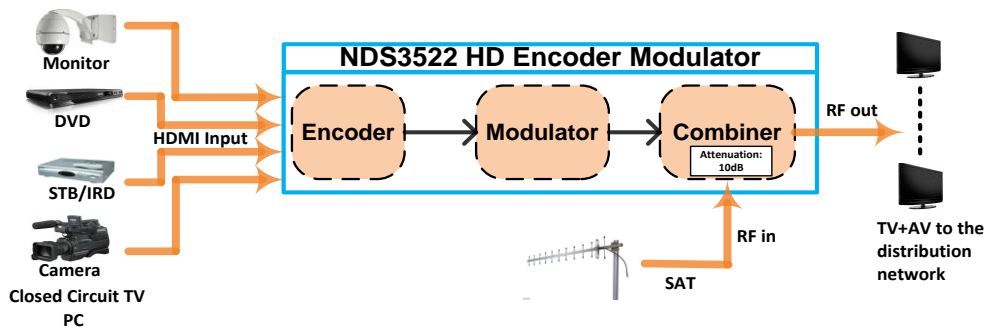
NDS3522 series HD encoder & modulator is DEXIN's consumer electronics which allow audio/video signal input in TV distributions with applications in home entertainment, surveillance control, hotel Digital Signage, shops etc.

It is an all-in-one device integrating MPEG-4 AVC/H.264 encoding and modulating to convert audio/video signals into DVB-T RF out.

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 TVs or STBs etc.



System Connection



Technical Specifications

HDMI Encoding Section

	Encoding	H.264 MP@L 3.0/3.1/4.0	
	Interface	HDMI*1	
Video		Input	Output
	Resolution	480@59.94/60i	480@30p
		576@50i	576@25p
		720@50/59.94/60p	720@50/59.94/60p
		1080@50i	1080@25p
		1080@59.94/60i	1080@30p
		1080@59.94/60p	1080@30p
Aspect Ratio	16:9, 4:3		
Bit rate	1.000~18.000 Mbps		

Audio

Encoding	MPEG1 layer 2
Sample rate	48KHz
Bit rate	64, 96, 128, 192, 256, 320kbps

DVB-T Modulator Section

Standard	DVB-T COFDM
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	≥31dB
RF frequency	142.5~858 MHz, 1KHz step
RF output level	-14~ +6dBm, 0.1db step

System

RF mix in ATT	10 dB
Management	Local LCD + control buttons
Language	English
LCN Insertion	yes
Upgrade	USB

General

Power supply	DC 12V
Dimensions	153*110*50mm
Weight	< 1kg

Typical Applications

...for communities of residents
an information channel on their television



...for restaurants
information about daily menus ,special deals,etc



...for hotels
meeting rooms,exhibitions,message,etc



...for hospitals
training courses, healthy guide, etc



...for Public Spaces
adversing,user information,news,etc



...for shopping centres
new collections,special deals,etc



Create your own advertising and information channel using only your NDS3522 Encoder Modulator

Main Technical Comparison between NDS3522 and NDS3556 (HD, DVB-T Version)

Items	NDS3522	NDS3556 (HD, DVB-T)
Interface	HDMI	HDMI/YPbPr/CVBS/S-Video
Video Encoding	H.264 MP@L 3.0/3.1/4.0 Auto detect and configure	H.264 BP/MP/HP@L 3.0/3.1/3.2/4.0/4.1/4.2 Profile and level can be manually set
Resolutions	Input and output scanning format and frame rate change	Input and output scanning format and frame rate keep the same
Audio Encoding	MPEG1 layer 2, MPEG-2 AAC	MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC
MER	≥31dB	≥42dB
RF Frequency	142.5~858 MHz	30~960MHz
Output Level	-14~ +6dBm	-16~ -36dBm
USB (External USB Disk)	System upgrade	System upgrade, TS record and playback