

CVBS/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...

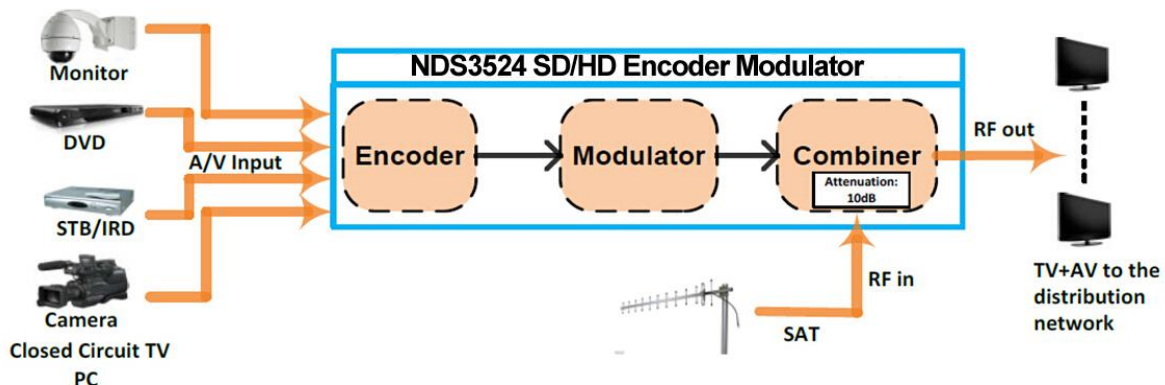
General Description

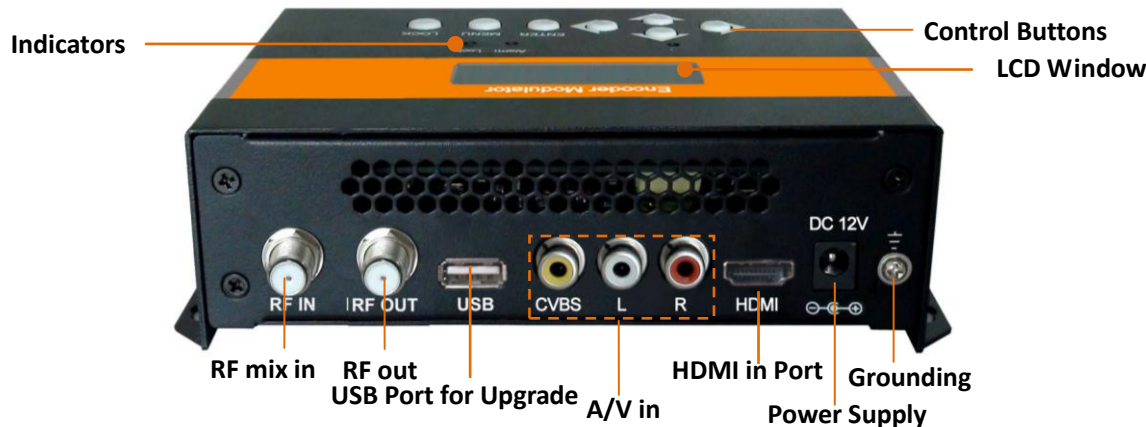
DEXIN NDS3524 HD/SD encoder & modulator is designed based on consumer electronics which allow audio/video signal input in TV distributions with applications in home entertainment, surveillance control, hotel Digital Signage, shops etc.

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 STB, satellite receiver, closed-circuit television cameras 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

Video	Encoding	H.264 MP@L 3.0/3.1/4.0		
	Interface	HDMI*1		
	Resolution	Input	Output	
			480@59.94/60p	480@60p
			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		

CVBS Encoding Section

Video	Encoding	H.264 MP@L 3.0		
	Interface	CVBS*1 (RCA)		
	Resolution	Input	Output	
			480@60p	480@60p
			480@60i	480@30p
			576@50p	576@50p
		576@50i	576@25p	
	Aspect Ratio	4:3		
Bit rate	1.000~18.000 Mbps			

Audio	Encoding	MPEG1 layer 2
	Interface	Analog Stereo/Mono (Unbalanced RCA)
	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	142.5~946 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

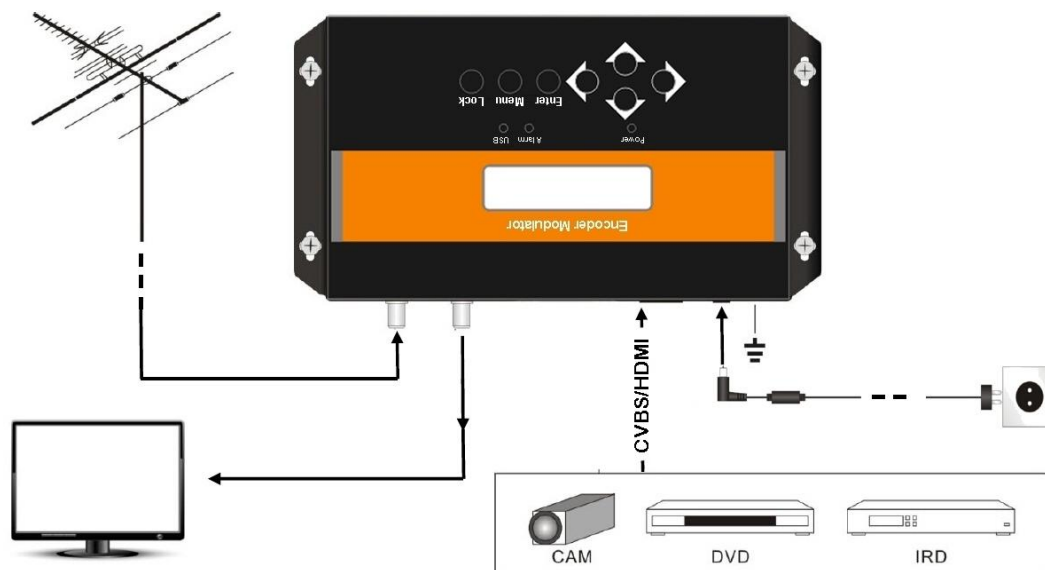
General

Power supply	DC 12V
Dimensions	183*110*50mm
Weight	< 1kg

Order information

	SD	HD	SD&HD
NDS3524(CVBS input only)	●		
NDS3524(HDMI input only)		●	
NDS3524(HDMI+CVBS input)			●

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 NDS3524 Encoder Modulator