

--- 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...



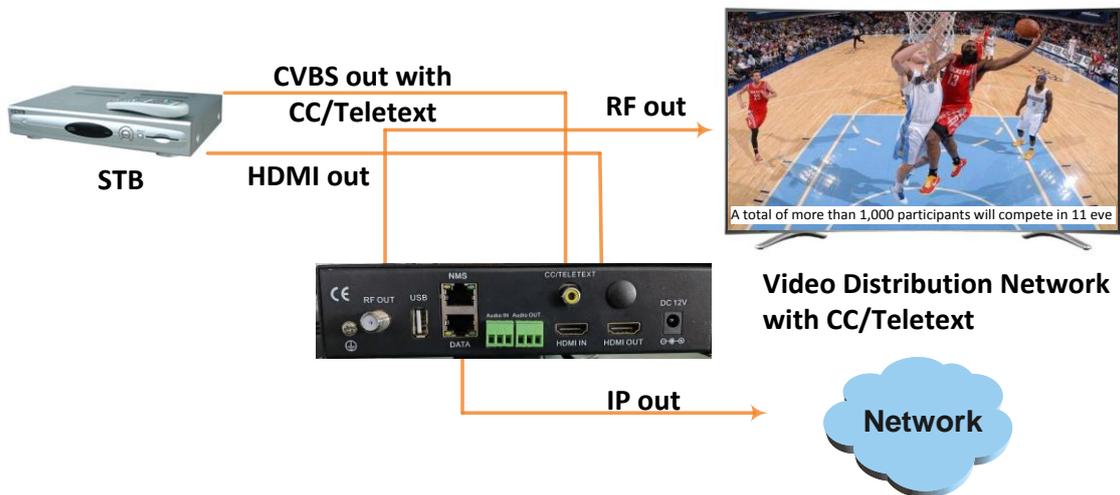
Support CC (Closed Caption) /Teletext
Support Audio delay function

Teletext Standard as per EN300706 & EN300472

This NDS3556 Encoder Modulator can support Teletext function to pushing text information such as domestic news, international news, sports news, weather forecasts, and TV program forecasts information etc.



CC/Teletext Example:



Key Features

- HDMI input with H.265/h.264 video (4K encoding for H.265 only)
- DVB-C/DVB-T/ISDB-T/ATSC RF OUT for order option
- IP output over UDP, RTP/RTSP from the 100/1000M self-adaptive data port
- Support AC3 Pass-through
- Support OSD (logo/QR Code) insertion, logo in PPT form is available
- Support CC (Closed Caption) /Teletext (CC is not available for H.265 at present)
- Support Audio delay function
- Support TS recording and playing via the USB disk (FTA 32)
- LCD Screen for easy management

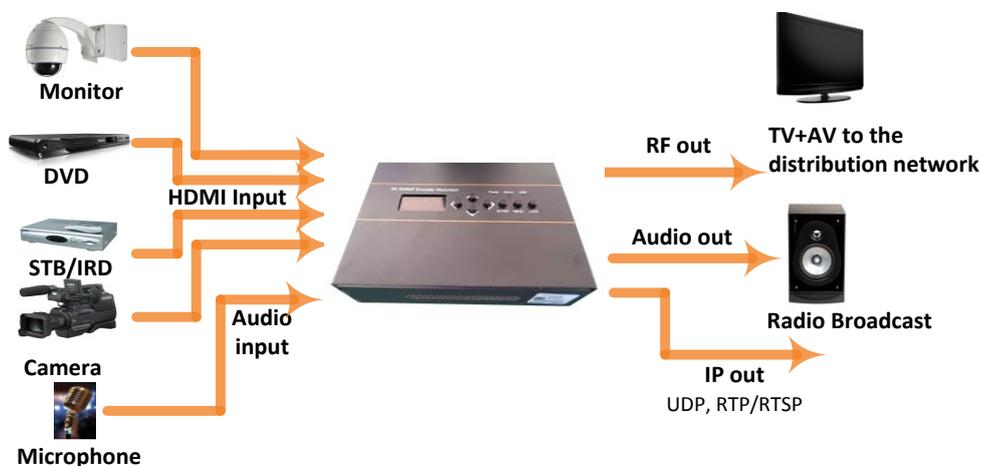
General Description

DEXIN NDS3556 4K 50/60P encoder modulator is designed based on consumer electronics which allow HDMI signal input in TV distributions with applications in home entertainment, surveillance control, hotel Digital Signage, etc.

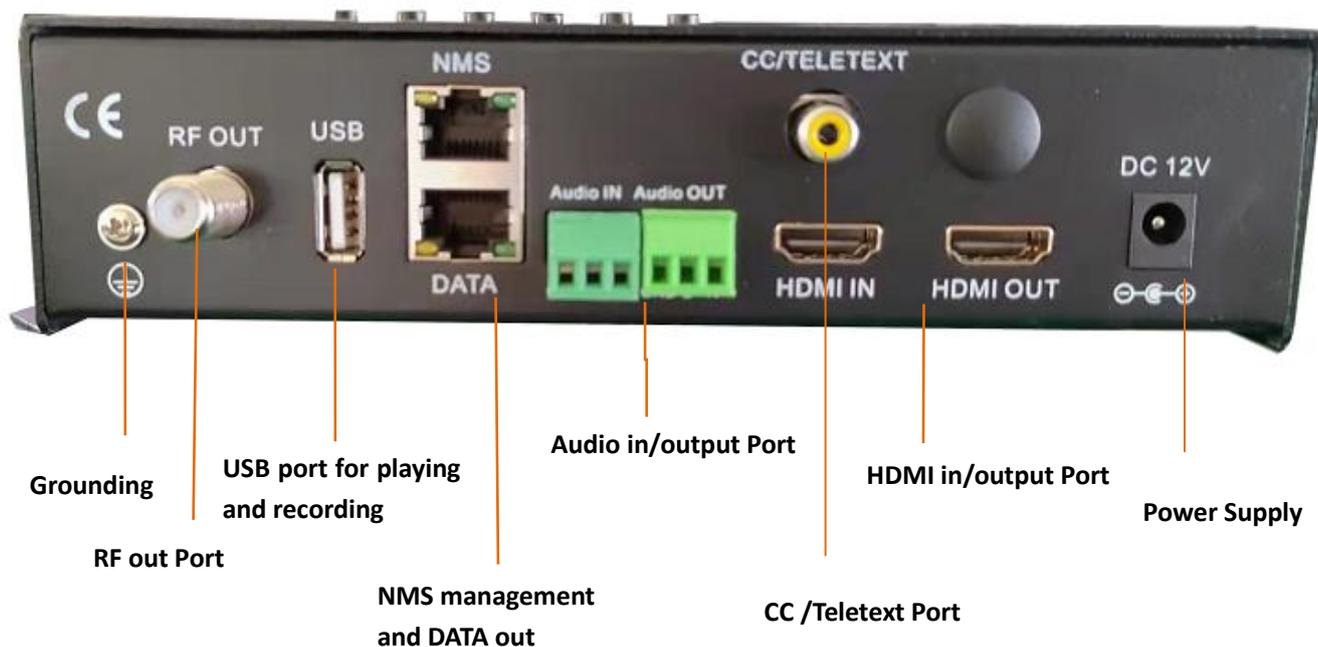
It is an all-in-one device integrating encoding and modulating to convert audio/video signals into DVB-C/DVB-T/ISDB-T/ATSC RF out.

The signals source could be from STB, satellite receiver, closed-circuit television cameras and etc. Its output signal is to be received by TVs or STBs etc.

System Connection



Appearance and Description



Technical Specifications

HDMI Encoding Section

Video	Encoding	HEVC/ H.265 , MPEG 4 AVC/H.264
	Interface	HDMI*1. HDMI loop out*1
	Resolution	3840*2160_60/50P(H.265 only), 1920*1080_60/59.94/50P, 1280*720_60/59.94/50P,
	Chroma	Input:4:4:4/4:2:2; output:4:2:0
	Bitrate	2Mbps~20Mbps
	Rate Control	CBR/VBR
	GOP Structure	IBBP, IPPP

Audio	Encoding Format	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2; AC3 Pass-through
	Sample rate	32KHz,44.1KHz,48KHz
	Bit-rate	48Kbps~384Kbps (MPEG-1 Layer 2 & LC-AAC) 24 Kbps~128 Kbps (HE-AAC) 18 Kbps~56 Kbps (HE-AAC V2)

IP output

IP out over UDP (Unicast/multicast), RTP/RTSP, (RJ45, 100M/1000M self-adaptive)

DVB-C Modulator Section

Standard	J.83A (DVB-C), J.83B	
MER	≥40dB	
RF frequency	100-1000MHz, 1KHz step	
RF output level	-20~ -5dBm, 1dB step	
Symbol rate	5.000~7.000Mpsps adjustable	
	J.83A	J.83B
Constellation	16/32/64/128/ 256 QAM	64/ 256 QAM
Bandwidth	8M	6M

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	≥35dB
RF frequency	100-900MHz, 1KHz step
RF output level	-63~ -16dBm, 1dB step



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ISDB-T Modulator Section

Standard	ARIB STD-B31
Constellation	QPSK, 16QAM, 64QAM
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission Mode	2K, 4K, 8K
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
RF frequency	100~900MHz, 1KHz step
RF output level	-63~ -16dBm, 1dB step

ATSC Modulator Section

Standard	ATSC A/53
Constellation	8 VSB

RF output level	-63~-16dBm (44~91 dBμV), 1dB step
MER	≥35dB
RF frequency	100~900MHz, 1KHz step
RF output level	-63~ -16dBm, 1dB step

System

Management	Web-GUI, LED+Keyboard
Language	English
Upgrade	Web update

General

Power supply	DC 12V
Dimensions	203*144*52mm
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
with NDS3556 Encoder Modulator**