

--- 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...



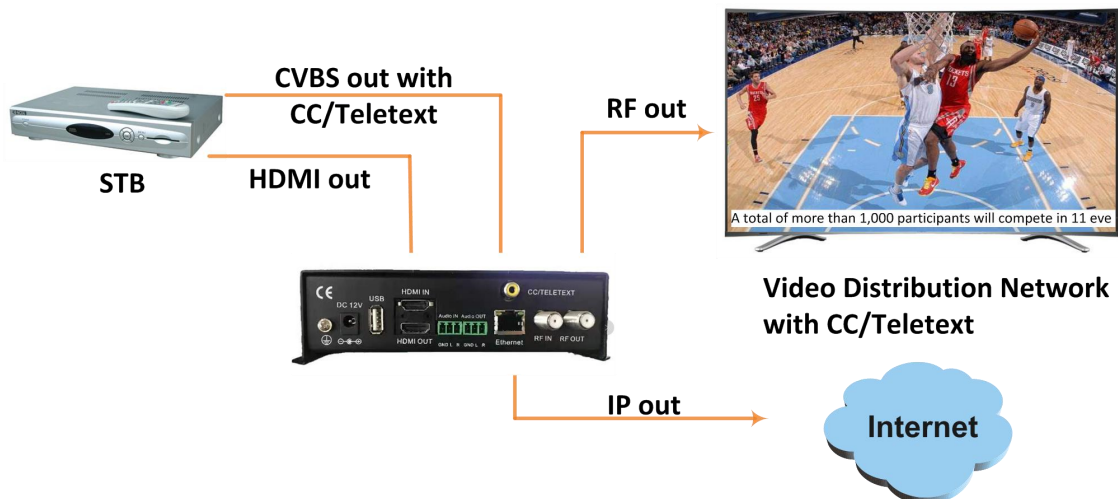
Support CC (Closed Caption) /Teletext
Support Audio delay function



Teletext Standard as per EN300706 & EN300472

This NDS3556HS Encoder Modulator can support Teletext function to pushing text information such as domestic news, international news, sports news, weather forecasts, TV program forecasts information and subtitle etc.

CC/Teletext Example:



Key Features

- HDMI input with H.265/h.264 video
- DVB-C/DVB-T/**ISDB-T/ATSC** RF OUT for Option
- IP output over UDP, RTP/RTSP
- Support AC3 Pass-through
- **Support OSD (logo/QR Code/Caption) insertion (developing)**
- Support CC (Closed Caption) /Teletext
- Support Audio delay function
- LED Screen for easy management

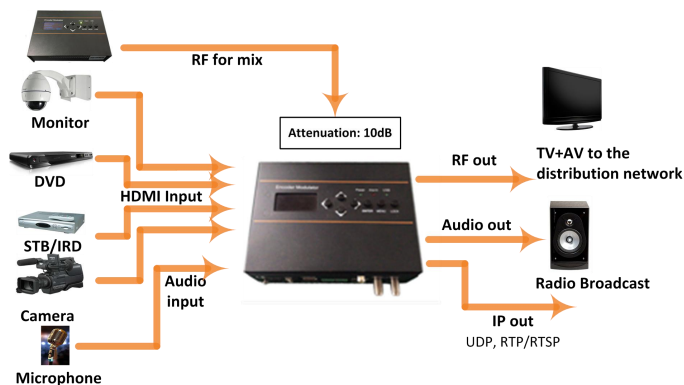
General Description

DEXIN NDS3556HS HD 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.

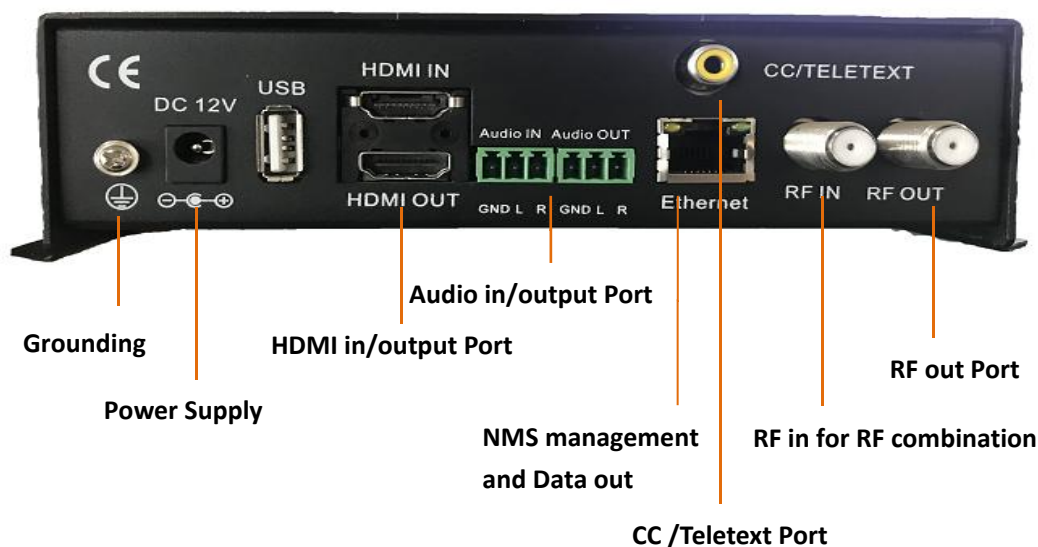
It is an all-in-one device integrating encoding and modulating to convert audio/video signals into DVB-C/DVB-T/ISDB-T/ATSC RF out.

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	1920*1080_60P, 1920*1080_50P; 1920*1080_59.94P, 1280*720_60p, 1280*720_59.94 1280*720_50P
	Chroma	4:2:0
	Bitrate	1Mbps~15Mbps

Rate Control	CBR/VBR
GOP Structure	IP
Encoding Format	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2; AC3 Pass-through
Sample rate	32KHz,44.1KHz,48KHz
Bit-rate	48~384Kbps

IP output

IP out over UDP (Unicast/multicast), RTP/RTSP, (RJ45, 100M)

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	5.000~7.000Msps 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
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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

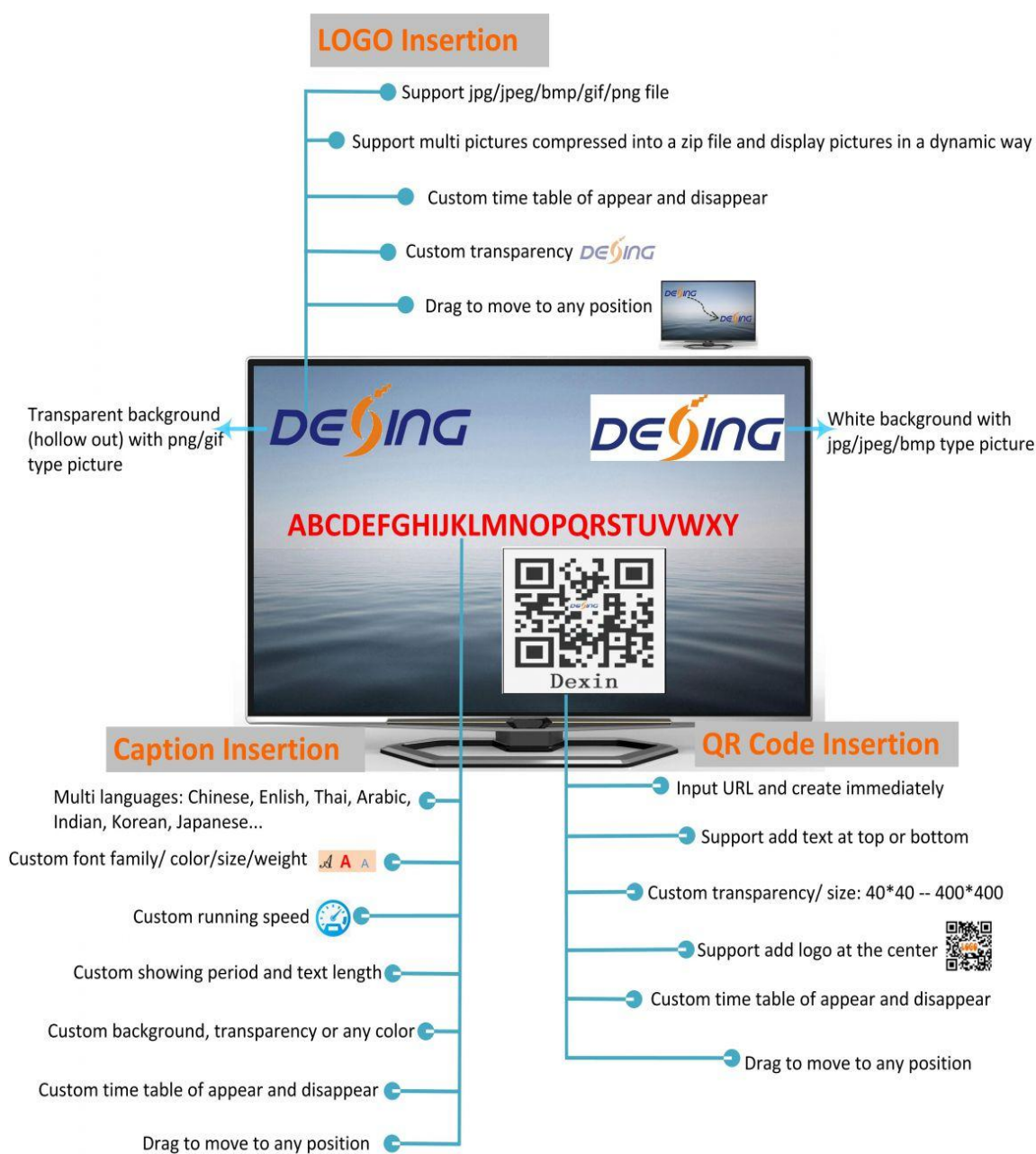
ISDB-T Modulator Section (Optional)

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 (Optional)	
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	160*120*52mm
Weight	< 1kg

OSD (Logo/QR Code/Caption) Insertion



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 NDS3556HS Encoder Modulator**