

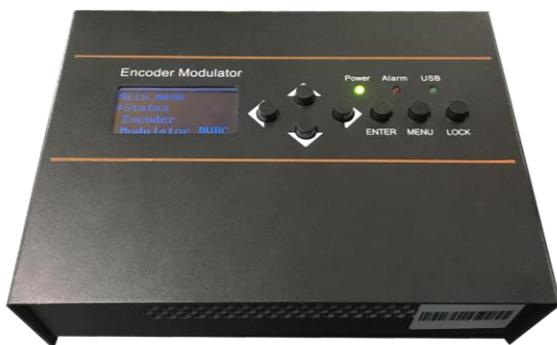


NDS3556HS HD Encoder Modulator

- HDMI input with H.265/h.264 video, with B frame
- DVB-C/DVB-T/ISDB-T/ATSC RF OUT for Option
- IP output over UDP, RTMP, RTP/RTSP **NEW**
- Support AC3 Pass-through
- Support OSD (logo/QR Code/Caption) insertion **NEW**
- Support CC (Closed Caption)/ Subtitle
- Support USB Port for Video Record, Save Playback
- LED Screen for easy management

--- 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...



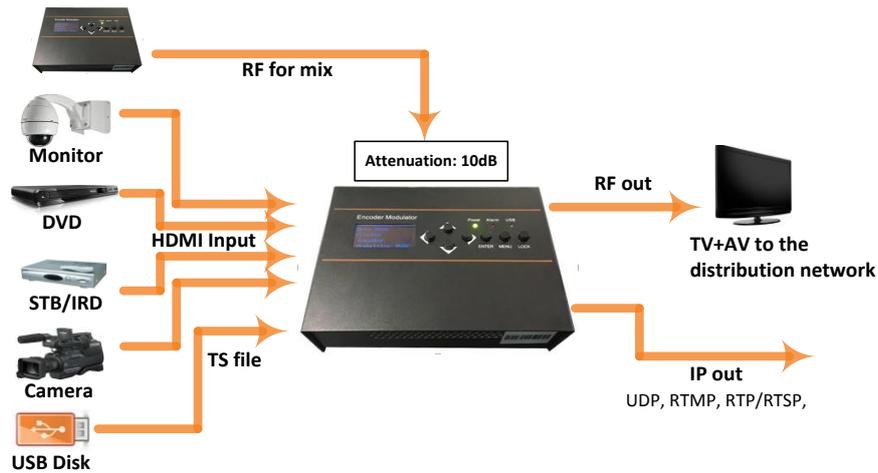
General Description

DEXIN 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.

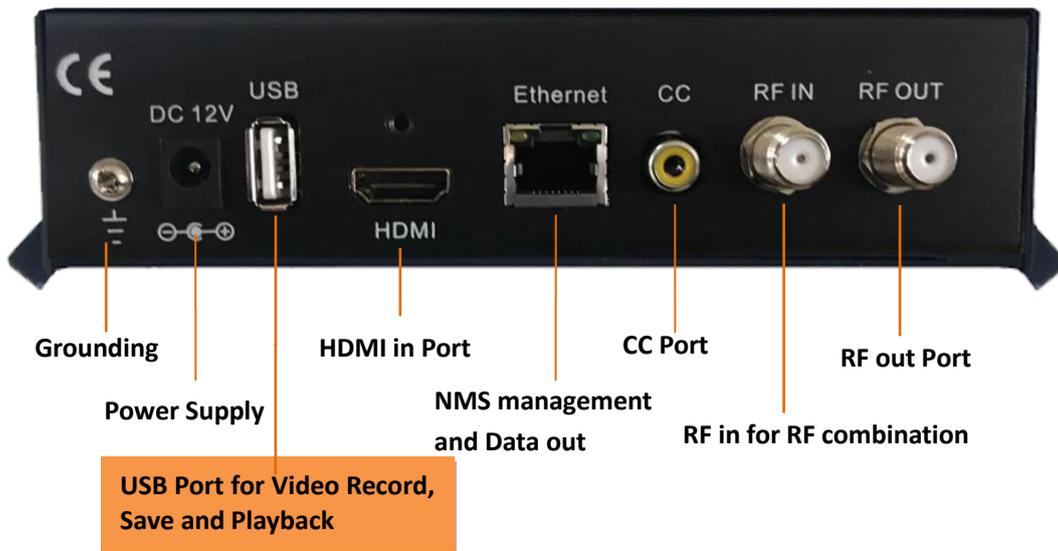
It is an all-in-one device integrating encoding and modulating to convert audio/video signals into DVB-C/DVB-T/ISDB-T/ATSC RF out.

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
	Resolution	1920*1080_60P, 1920*1080_50P; 1920*1080_59.94P, 1920*1080_59.94i; 1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_59.94 1280*720_50P

Chroma	4:2:0
Bitrate	1Mbps~15Mbps
Rate Control	CBR/VBR
GOP Structure	IBBBP, IBBP, IP
Encoding Format	MPEG-1 Layer 2, LC-AAC, HE-AAC, HE-AAC V2; AC3 Passthrough
Sample rate	48KHz
Bit-rate	48~384Kbps (MPEG-1 Layer 2& LC-AAC) 24~128 Kbps (HE-AAC) 18~56 Kbps (HE-AAC V2)

Audio

IP output

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

DVB-C Modulator Section

Standard	J.83A (DVB-C), J.83B	
MER	≥35dB	
RF frequency	100-900MHz, 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 (Optional)

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	

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

LOGO Insertion

- Support jpg/jpeg/bmp/gif/png file
- Support multi pictures compressed into a zip file and display pictures in a dynamic way
- Custom time table of appear and disappear
- Custom transparency 
- Drag to move to any position 

Transparent background (hollow out) with png/gif type picture



White background with jpg/jpeg/bmp type picture

Caption Insertion

- Multi languages: Chinese, English, Thai, Arabic, Indian, Korean, Japanese...
- Custom font family/ color/size/weight 
- Custom running speed 
- Custom showing period and text length
- Custom background, transparency or any color
- Custom time table of appear and disappear
- Drag to move to any position

QR Code Insertion

- Input URL and create immediately
- Support add text at top or bottom
- Custom transparency/ size: 40*40 -- 400*400
- Support add logo at the center 
- Custom time table of appear and disappear
- Drag to move to any position

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
advertising,user information,news,etc



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



**Create your own advertising and information channel
with NDS3556HS Encoder Modulator**