



## SD/HD ENCODER/ MODULATOR DVB-S/S2

Model Type: **EMD3543A**

**EMD3543A Encoder & Modulator is an integrated device with multifunction.** Its pluggable design makes it convenient to change encoding module (SDI/CVBS/HD-MI/YPbPr) as needed. **It is also equipped with 1 channel ASI input.** Its outputs ASI and DVB-S/S2 RF (IF Optional) in the same time.

The signal source could be from CCTV cameras, Blue-ray players and etc. **It adopts user-friendly web-based operation interface to effectively manage the device and carefully protect your content with its BISS function.**

Featured with its high performance and low cost, **NDS3543 is especially adequate for the TV station or SNG system** to encode SD/HD programs and output to uplink.

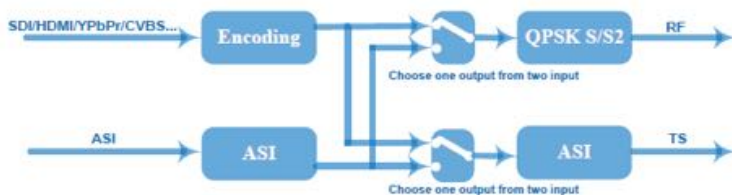
### Key Features:

- MPEG2 SD/HD and MPEG4 SD/HD Encoding Module optional
- Input SDI or CVBS or HDMI or YPbPr & 1\*ASI IN
- Support DVB-S/S2 RF Output (IF Optional) and ASI output
- LCN support (Logical Channel Number)
- Output Frequency: 950-2150MHz; IF: 50-200MHz optional
- Symbol Rate: 0.05 – 20 Msps
- Low latency achieved (CVBS Encoding modules excluded)
- Support BISS function
- Support 10MHz reference clock
- Support Web NMS and front panel LCD & Key board control
- Upgrade device through web NMS



VIDEO	
Encoding	MPEG2; MPEG4 AVC/H.264
Input	HDMI*1
Resolution	1920*1080_60P, 1920*1080_50P, (-for MPEG4 AVC/H.264 only)
	1920*1080_60i, 1920*1080_50i
	1280*720_60p, 1280*720_50p
	720*480_60i, 720*576_50i

AUDIO	
Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC
Sample rate	48 KHz
Bit rate	64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps



**ISO 9001:2015**



## GENERAL SPECIFICATION

Input Interface	1/2*CVBS /1*SDI /1*HDMI / 1*(HDMI+YPbPr+CVBS 3-in-1) optional
	1xASI input, BNC interface
Output	DVB-S/S2 RF output; (IF Optional) ASI output
<b>DVB-S/S2 Modulation Section</b>	
DVB-S QPSK	FEC 1/2,2/3,3/4,5/6,7/8
DVB-S2 QPSK	FEC 1/2,3/5,2/3,3/4,4/5,5/6,8/9,9/10
DVB-S2 8PSK	FEC 3/5,2/3,3/4,5/6,8/9,9/10
RF output	950.00-2150.00 MHz, 10Khz step
IF output	50-200 MHz
Symbol rate	0.05-20.0 Msps
Roll Off	0.35, 0.25, 0.2
Output Level	-10db ~ -41.5db
<b>SYSTEM</b>	
Local Control	LCD + control buttons
Remote Control	Web NMS
Low Latency Mode	Normal, Mode 1, Mode 2
Language	English
<b>PHYSICAL SPECIFICATION</b>	
Demission	410x460x44mm (W*L*H)
Temperature	0 ~ 45°C (operation), -20 ~ 80°C (storage)
Weight	4.5 Kg
Power Supply	AC 100-240V 50/60 Hz 2A