

**2 in 1 Encoder Modulator****NDS3542C**

Dimensions: 333*232*44mm

- DD AC3(2.0/5.1/7.1) passthrough for HDMI interface
- 4 DVB-C & 4 ATSC RF out in one device
DVB-C&ATSC modulation dynamic switching
- 2 Separate ASI output to mirror MPTS or one carrier out
- Support Low delay

**Product Overview**

NDS3542C series products are DEXIN's all-in-one devices which integrate encoding (MPEG-2, MPEG-4/AVC H.264) and modulating to convert HDMI/YPbPr /CVBS (Pr in) signals etc to digital RF output. To meet customers' various requirements, NDS3542C is also equipped with 1 ASI input, and output with 2 separate ASI ports and 1 IP port.

The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, and antenna etc. Its output signals are to be received by TVs, STB and etc with corresponding standard.

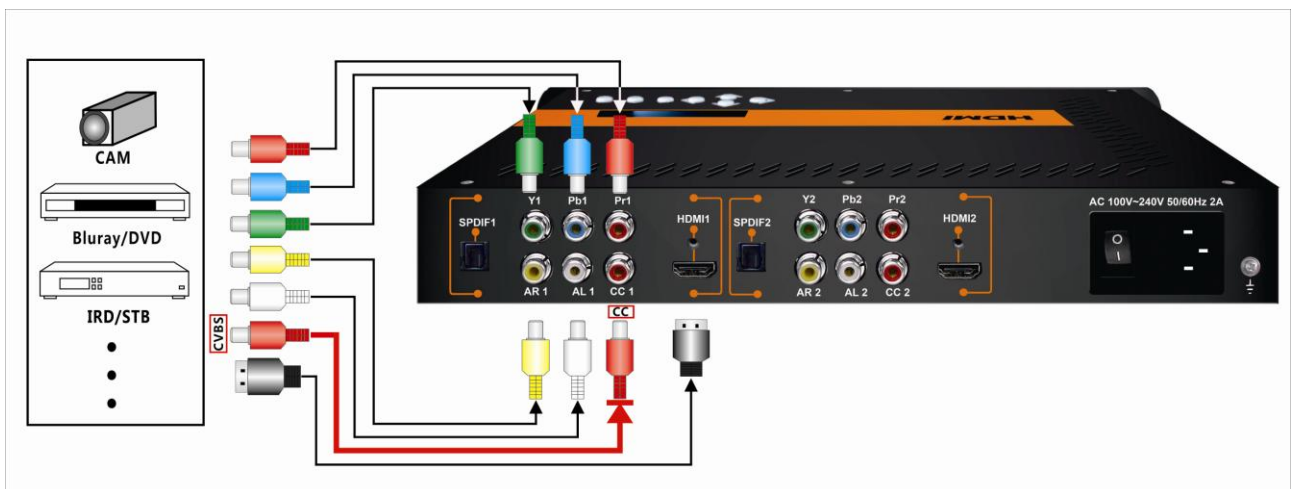
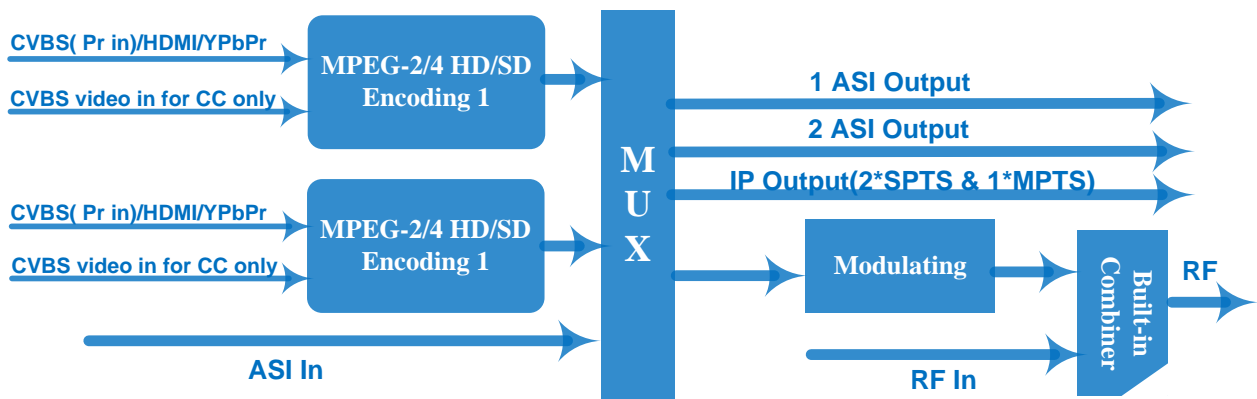
Dexin NDS3542C series products are wildly used in public places such as metro, market hall, theatre, hotels, restaurants and etc for advertising, monitoring, training and educating in company, schools, campuses, hospital... It's a good choice to offer HD channels and more.

Key Features

- MPEG2 HD & MPEG4 AVC H.264 HD video encoding
- DD AC3 (2.0 optional), MPEG4-AAC, MPEG2-AAC, MPEG1 Layer II audio encoding
- Support DD AC3 (2.0/5.1/7.1) passthrough (for HDMI and SPDIF interface)

- Support AC3 Dialog Normalization
- 2* HDMI/YPbPr/CVBS (Pr in) channels in
- 1*ASI in for re-mux; 1*RF in for RF mix
- 4* DVB-C/4* ATSC/2* DVB-T/1*ISDBT RF out in one device,
Support DVB-C & ATSC& DVB-T& ISDBT modulation dynamic switching
- 2 separate ASI output to mirror MPTS or one carrier programs;
- IP (2*SPTS & 1*MPTS) out over UDP/RTP/RTSP (only for DVB-C modulation) protocol
- Support CC (Closed Caption) EIA608
- Support Low Delay
- LCN (Logical Channel Number) support
- VCT (Virtual Channel Table) support
- Excellent modulation quality
- LCD display, Remote control and firmware
- Web-based NMS management; Updates via web

Principle Chart



Specifications

Encoding Section			
Video (HDMI)			
Encoding	MPEG2; MPEG4 AVC/H.264		
Interface	HDMI*2		
Resolution	1920*1080_60P, 1920*1080_50P (For MPEG 4 AVC/H.264 only), 1920*1080_60i, 1920*1080_50i, 1280*720_60p, 1280*720_50P		
Low Delay	Normal, Mode 1, Mode 2, Manual		
Aspect Ratio	4:3; 16:9		
Audio (HDMI)			
Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC; DD AC3(2.0) optional; DD AC3 (2.0/5.1/7.1) passthrough		
Interface	HDMI*2/SPDIF*2		
Sample rate	48KHz		
Bit rate	64/96/128/ 192/256/320kbps		
Video (CVBS/YPbPr)			
Encoding	MPEG2; MPEG4 AVC/H.264		
Interface	CVBS/YPbPr*2(RCA)		
Resolution	CVBS: 720*576_50i, 720*480_60i YPbPr:1920*1080_60i, 1920*1080_50i; 1280*720_60p, 1280*720_50P		
Audio (L/R)			
Encoding	MPEG1 Layer II; MPEG2-AAC; MPEG4-AAC; DD AC3(2.0) optional;		
Interface	2*Stereo/4*mono/2*SPDIF		
Sample rate	48KHz		
Bit rate	64/96/128/ 192/256/320kbps		
DVB-C Modulator Section			
Standard	J.83A (DVB-C), J.83B, J.83C		
MER	≥43dB		
RF frequency	36~960MHz, 1KHz step		
RF output level	-30~ -10dbm (77~97 dbμV), 0.1db step		
Symbol rate	5.000~9.000MSPS adjustable		
RF Out	4*DVB-C adjacent carriers combined output		
	J.83A	J.83B	J.83C

Constellation	16/32/64/128/ 256 QAM	64/ 256 QAM	64/ 256 QAM
	Bandwidth	8M	6M

ATSC Modulator Section	
Standard	ATSC A/53
Constellation	8 VSB
RF output level	-30~ -10dbm (77~97 dbμV), 0.1db step
MER	≥42dB
RF frequency	36~960MHz, 1KHz step
RF Out	4*ATSC adjacent carriers combined output

ISDBT Modulator Section	
Standard	ARIB STD-B31
Bandwidth	6M
Constellation	DQPSK,QPSK, 16QAM, 64QAM
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission	2K, 4K, 8K
Mode	
MER	≥42dB
RF frequency	30~960MHz, 1KHz step
RF output level	-30~ -10dbm (77~97 dbμV), 0.1db step
RF Out	ISDBT adjacent carriers combined output

System	
Local interface	LCD + control buttons
Remote management	Web NMS
Stream Out	2 separate ASI out (BNC type, 100M); IP (2* SPTS&1*MPTS) over UDP/RTP/RTSP out (RJ45, 100M) RTSP is only for DVB-C modulation
NMS interface	RJ45, 100M
Language	English

General	
Power supply	AC 100V~240V
Dimensions	333*232*44mm
Weight	2.5 kg
Operation temperature	0~45°C



All the specifications are subject to change without any further notice. All rights are reserved.