

MXD-5341

NDS5341 series products new breakthrough all-in-one devices which integrate encoding (MPEG-2 HD/SD, MPEG-4/AVC H.264 HD/SD) and modulating to convert V/A signals into Digital RF output. It has equipped with 4 HDMI (4 SDI optional) channels input and 1 ASI input and output with 2 ASI ports and 1 UDP IP (4*SPTS) port. The latency problem has been greatly reduced to achieve an extremely low value from the encoding progress to the decoding terminals. It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules (HDMI/SDI /...) as needed. 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 DVB-C TVs or STBs and etc..



FEATURES

- MPEG2 & MPEG4 AVC/H.264 HD/SD video encoding
- **Huge video buffer (for SDI interface), free to switch video sources**
- MPEG1 Layer II, MPEG2-AAC, MPEG4-AAC, **Ac3 2.0 (Optional)** audio encoding
- Up to 1920*1080@50P/60P (MPEG4 AVC/H.264) Up to 1920*1080@50I/60I (MPEG2 HD)
- 4* HDMI/SDI input
- 1*ASI input for re-mux; 1*RF input for mix
- **Support CC (closed caption) for SDI interface (Optional)**
- Simultaneously encoding each channel more than 10Mbps
- DVB-C/DVB-T/ATSC-T/ISDB-T RF out
- Support 4 * SPTS output
- **Extremely low latency**
- LCN support (Logical Channel Number)
- Excellent modulation quality MER 42dB
- RF Frequency range 30Mhz~960Mhz
- LCD display, Remote control and firmware
- Web NMS management; Updates via web
- Lowest cost per channel

SPECIFICATION

Encoding section:

Video:

Encoding: MPEG2, MPEG4 AVC/H.264

Input: HDMI*4

Resolution: 1920*1080_60P, 1920*1080_50P, (-for MPEG4/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 available)

Sample rate: 48KHz

Bit rate: 64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps

Modulation: DVB-T

Standard: En300744

FFT mode: 2K, 8K

Bandwidth: 6M, 7M, 8M

Constellation: QPSK, 16QAM, 64QAM

Guard Interval: 1/4, 1/8, 1/16, 1/32

FEC: 1/2, 2/3, 3/4, 5/6, 7/8

MER: 42 dB

RF frequency: 30~960MHz, 1KHz step

RF out: 2*RF COFDM DVB-T out (2 carriers combined output); Double output bandwidth

RF output level: -30~ -10dbm (81~97 dbμV), 0.1db step

System:

Local interface: LCD + control buttons

Remote management: Web NMS

Output: 2*ASI out (BNC type); 2*MPTS out (RJ45, 100M)

NMS interface : RJ45, 100M

Language : English

General:

Power Supply: AC 100V~240V

Dimension: 420*400*44mm

Weight: 4.5 kgs

Operation Temperature: 0~45

