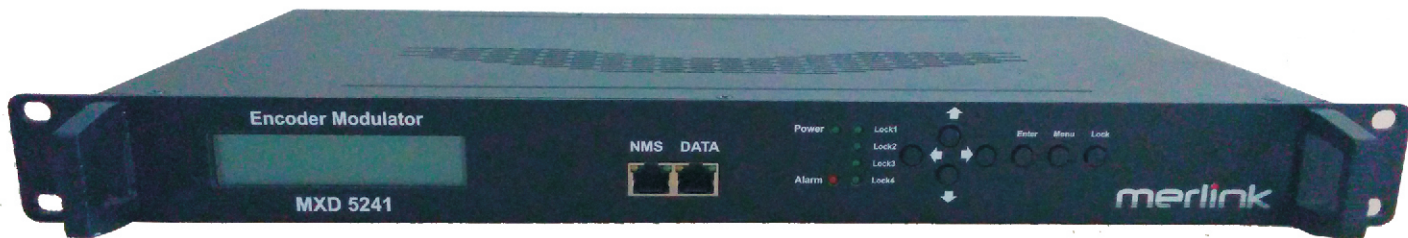


## MXD-5241

MXD-5241 series products are Merlink's knock-out all-in-one devices which integrate encoding (MPEG-2 or MPEG-4/AVC H.264) and modulation (DVB-C, DVB-T/T2, ISDB-T, or ATSC) to convert V/A signals into RF output. It adopts inner drawer-type structural design which greatly facilitates the change of encoding modules (HDMI/CVBS/SDI/YPbPr/...) as needed. To meet customers' various requirements, MXD-5241 is also equipped with 1 ASI input, and output with 2 ASI ports and 1 UDP IP port. The signals source could be from satellite receivers, CCTV cameras, Blue-ray players. Its output signals are to be received by TVs, STB and etc with corresponding standard.

With its various inputs available, our MXD-5241 series products are widely used in public places such as malls, hotels, resorts, and etc for advertising, monitoring, training and educating in company, schools, campuses, hospital.



## FEATURES

- 4\* S-Video/YPbPr/CVBS inputs, 1\*ASI input
- MPEG2 Video encoding
- MPEG1 Layer 1 Audio encoding
- DVB-T RF output
- 1 IP output, 2 ASI output
- LCN support (Logical Channel Number)
- Excellent modulation quality: MER≥42Db
- LCD display, Remote control and Firmware, web NMS management
- Updates via web
- Lowest cost per channel --- Breakthrough price

## SPECIFICATION

**Input:** 4xS-Video/YPbPr/CVBS/ (HDMI/SDI /RF/... optional)  
1×ASI input, BNC interface  
1×RF input, for combiner

### Encoding section:

**Video:**  
**Encoding:** MPEG-2 MP@ML(4:2:0)  
**Input:** MPEG-2 MP@ML(4:2:0)

**Audio: Encoding:** MPEG1 Layer II(1\*Stereo or 2\*mono)

**Sample rate:** 48KHz  
**Bit rate:** 64kbps, 96kbps, 128kbps, 192kbps, 256kbps, 320kbps

**Modulation:** DVB-T  
**Standard:** En300744  
**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

**Stream Output:** 1\*RF;  
2xASI outputs, BNC interface;  
MPTS over UDP, 10/100Base-T  
Ethernet interface (UDP unicast / multicast)

**Local interface:** LCD + control buttons  
**Remote management:** Web NMS Management  
**Language:** English

**General:**  
**Power Supply:** AC 100V~240V  
**Dimension:** 482\*300\*44.5mm  
**Weight:** 4kg  
**Temperature:** 0~45°C

