

MXD-3131T

MXD-3131T is a high performance and cost-effective DVB-T modulator design. It has 8 tuner inputs. After multiplexing and modulating process, it gives 4 DVB-T carriers output through one RF port. To meet customers' various requirements, this device is also equipped with data port for 128 IP input and 4 MPTS output over UDP and RTP. Its pluggable structure design greatly facilitates the change of modules as needed. Moreover, the four CAMs/CIs accompanied can descramble the programs input from 8 Tuner and IP input. MXD-3131T can be upgraded and controlled through network system, which allows it widely used in digital broadcasting network and provide good signals for scientific laboratory and DVB-T STB..



FEATURES

- * 4 Tuner (DVB-S2) + 4 Tuner (DVB-C/T/T2/S/S2/ATSC optional) input
- * Demodulation Module (4*RF/Loop out + 4*CAM + 4*Smartcard)
- * One CAM can decrypt multiple programs from Tuners and IP
- * Maximum 128 IP input (MPTS/SPTS) over UDP and RTP protocol
- * 4 groups multiplexing +4 groups DVB-T modulating
- * 4 IP (MPTS) output over UDP and RTP protocol
- * Support accurate PCR adjusting/ PID Remapping/ PSI/SI rebuilding and editing
- * Web-based NMS management

SPECIFICATION

Input:

- * 4 Tuner (DVB-S2)+4 Tuner(DVB-C/T/T2/S/S2/ATSC optional) input
- * 128 IP(SPTS/MPTS) input over UDP and RTP, Rj45, 1000M/100M Unicast/Multicast

Tuner Section: DVB-C

- * Standard:J.83A(DVB-C),J.83B,J.83C
- * Input Freq.:30 MHz~1000 MHz
- * Constellation:16/32/64/128/256QAM

Tuner Section: DVB-T/T2

- * Input Freq.:30 MHz~999.999 MHz
- * Bandwidth:6/7/8 M bandwidth

Tuner Section: DVB-S

- * Input Freq.:950 MHz~2150 MHz
- * Symbol Rate:2-45Msp/s
- * Signal Strength:-65~-25dBm
- * FEC Demodulation:1/2, 2/3, 3/4, 5/6, 7/8 QPSK

Tuner Section: DVB-S2 (V.1)

- * Input Freq.:950 MHz~2150 MHz
- * Symbol Rate:QPSK 1~45Mbauds; 8PSK 2~30Mbauds

- * Code Rate:1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

- * Constellation:QPSK, 8PSK

Tuner Section: DVB-S2 (V.2)

- * Input Freq.:950 MHz~2150 MHz
- * Symbol Rate:QPSK 1~45 Msp/s; 8PSK 2~30 Msp/s;16APSK 1~45 Msp/s; 32APSK 1-32 Msp/s

- * Code Rate:1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10

- * Constellation:QPSK, 8PSK, 16APSK, 32APSK

Tuner Section: ATSC-T

- * Input Freq.:54 MHz~858 MHz
- * Bandwidth:6M bandwidth

Descrambling: CAM/CI = 4 sets

Multiplexing:

- * Max PID Remapping: 256/ input ch
- * Function: PID Remapping, Accurate PCR adjusting, Generate PSI/SI table automatically

Modulation: DVB-T

- * Standard:EN300744

- * FFT mode:2K

- * Bandwidth:6M, 7M, 8M

- * Constellation:QPSK, 16QAM, 64QAM

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

- * Code Rate:1/2, 2/3, 3/4, 5/6, 7/8

- * MER:=42 dB

- * RF freq.:50~960MHz, 1KHz step

- * RF out:4* COFDM DVB-T out

- (4 carriers combined output)

- * RF output level:-28~ -3 dBm (79 ~ 104 dbμV), 0.1db step

System:

- * Remote management:Web NMS
- * Stream Out:4*MPTS over UDP and RTP out (RJ45, 1000M/100M Unicast/Multicast)
- * Language:English and Chinese
- * Software Upgrading:Web

General:

- * Dimension:482mm×300mm×44.5mm (W*D*H)
- * Temperature 0~45°C (Operation) ; -20~80°C (Storage)
- * Power AC 100V±10%/50/60Hz; AC 220V±10%, 50/60HZ

