

MXD-52XX HA

MXD-52XX HA encoder modulator is a professional high integration device which includes encoding, multiplexing, scrambling and modulation. It supports 8 to 24 CVBS inputs, one DVB-C tuner input and 128 IP input with Data1 (GE) and Data2 (FE) port. It also supports DVB-C/T RF out with 4 adjacent carries, and supports Data1 (GE) output port to support 4 MPTS out. This full function device makes it ideal for small CATV head end system, and it's a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment...



FEATURES

- 8/12/16/20/24 A/V inputs with MPEG2 Encoding
- MPEG1 Layer II, AC3(2.0) Audio encoding and support audio gain adjustment
- 128 IP input over UDP and RTP protocol
- 4 groups of multiplexing/scrambling/modulation output channels
- Support PID remapping/ accurate PCR adjusting/PSI/SI editing and inserting
- Support 4 MPTS IP (DATA1 port only) output over UDP and RTP
- Support 4 DVB-C or DVB-T RF out
- Support CC (closed caption)
- Support QR Code, Caption, Logo insertion
- Control via web management, and easy updates via web
- Lowest cost per channel, breakthrough price

SPECIFICATION

Input: 8/12/16/20/24 CVBS inputs , RCA interface ,
128 IP input over UDP and RTP, DATA1 and DATA2, Rj45

Video:

Resolution: 720×480_60i, 544×480_60i, 352×480_60i, 352×240_60i, 320×240_60i, 176×240_60i, 176×120_60i, 720×576_50i, 704×576_50i, 640×576_50i, 352×288_50i, 320×288_50i, 176×288_50i, 176×144_50i

Encoding: MPEG-2

Bit rate: 0.5Mbps~8Mbps each ch

Rate Control: CBR/VBR

GOP Structure: GOP_0_B, GOP_1_B, GOP_2_B, GOP_3_B

Advanced Pretreatment: De-interlacing, noise reduction

Audio:

Encoding : MPEG-1 Layer 2, AC3 (2.0)

Sampling rate: 48KHz

Resolution: 24-bit

Bit-rate: 64Kbps, 128Kbps, 192kbps, 256kbps, 320kbps, 384kbps each ch

Multiplexing:

Max. PID Remapping: 180 input per channel

Function: PID remapping (automatically or manually), Accurate PCR adjusting, Generate PSI/ SI table automatically

Stream output: 1 ASI as copy of MPTS, IP (MPTS/SPTS) output over UDP/RTP/RTSP, 8 CVBS inputs with 8SPTS and 1 MPTS output

Scrambling (Only for DVB-C RF out):

Max simulcrypt CA: 4

Standard: ETR289, ETSI 101 197, ETSI 103 197

Connection: Local/remote connection

Modulation:

DVB-C: RF out: 4*RF DVB-C out

Standard: EN300 429/ITU-T J.83A/B

MER: 40db

RF frequency: 50~960MHz, 1KHz step

Symbol Rate: 5.0Msps~7.0Msps, 1ksps stepping

Constellation: 16/32/64/128/256QAM - 8M (J.83A), 64/256 QAM - 6M (J.83B)

DVB-T: RF out: 4*RF DVB-T out (4 carriers combined output)

Standard: EN300744

FFT mode: 2K

Bandwidth: 6M, 7M, 8M

Constellation: QPSK, 16QAM, 64QAM

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

MER: ≥42 dB

RF frequency: 50~960MHz, 1KHz step

RF output level: -28~-3 dBm (77~97 dbμV), 0.1db step

Stream output: RF output (F type interface),

4 IP MPTS output over UDP/RTP, 1*1000M Base-T Ethernet interface

System function: Network management (WEB), English language, Ethernet software upgrade

Dimension (W×L×H): 482mm×410mm×44mm

Environment: 0~45℃(work) ; 20 ~80 (Storage)

Power requirements: AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz