

MXD-5404T / 5408T / MXD-5412T

MXD-5404T / 5408T / 5412T is a professional high integration device which includes encoding, multiplexing, scrambling and modulation. It supports 4/8/12 HDMI input, 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 support 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

- Support QR code, LOGO, PPT, OSD insertion for every local channel
- 4/8/12 HDMI input, MPEG-4 AVC/H.264 Video encoding
- 1DVB-C tuner input for re-mux (only for DVB-C RF out)
- 128 IP input over UDP and RTP protocol
- MPEG1 Layer II Audio encoding and support audio gain adjustment
- 4 groups of multiplexing/scrambling/modulation output channels
- Support 4 MPTS IP (DATA1 port only) output over UDP and RTP
- Support PID remapping/accurate PCR adjusting/PSI/SI editing and inserting
- Control via web management, and easy updates via web

SPECIFICATION

INPUT: ~ 4/8/12 HDMI inputs for option.
~ 1 DVB-C Tuner input for remux, F type interface (only for DVB-C RF out).
~ 128 IP input over UDP and RTP

VIDEO:
Encoding: MPEG-4 AVC/H.264
Resolution: In-put: 1920×1080_60P, 1920×1080_60i, 1920×1080_50P, 1920×1080_50i, 1280×720_60P, 1280×720_50P, 720×576_50i, 720×480_60i,
Out-put: 1920×1080_30P, 1920×1080_25P, 1280×720_30P, 1280×720_25P, 720×576_25P, 720×480_30P,
Bit rate: 1Mbps~13Mbps each ch
Rate Control: CBR/VBR

AUDIO:
Encoding : MPEG-1 Layer 2
Sampling rate: 48KHz
Resolution: 24-bit
Audio Gain: 0-255 Adjustable
Bit-rate: 64kbps, 128Kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps

MULTIPLEXING:
Max. PID Remapping: 180 input per channel

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

SCRAMBLING:
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 (4 carriers combined output)
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:
J.83A=16/32/64/128/256QAM (8M)
J.83B=64/256 QAM (6M)
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

FEC: 1/2, 2/3, 3/4, 5/6, 7/8
MER: 42db
RF frequency: 50~960MHz, 1KHz step
RF out: 4*RF COFDM DVB-T out (4 carriers combined output)
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 (Data1 only)

SYSTEM FUNCTION: Network management(WEB), Chinese and English language, Ethernet software upgrade
Dimension(W×L×H): 482mm×410mm×44mm
Approx weigh: 8kg
Environment : 0~45℃(work) ; 20 -80 (Storage)
Power requirements : AC 110V± 10%, 50/60Hz, AC 220 ± 10%, 50/60Hz