

EMH610S

HDMI to RF Encoder Modulator



EMH610S series encoder & modulator is Dibsys's consumer electronics which allows you to easily distribute content up to 1080p resolution to an unlimited number of displays, using the TV's built in QAM tuner, eliminating the need for cumbersome, expensive set-top-boxes or media players at each display.

It is an all-in-one device integrating MPEG-2 encoding and modulating to convert audio/video signals into DVB-C/DVB-T/ATSC /ISDBT RF out with dynamic switching. And allows audio/video signal input in TV distributions with applications in home entertainment, surveillance control, hotel Digital Signage, shops etc.

The signals source could be from satellite receivers, closed-circuit television cameras, Blue-ray players, antenna etc. Its output signal is to be received by TV sets or STBs etc.

Features

- HDMI input for encoding
- MPEG-2 SD/HD video encoding
- MPEG1 Layer II, AAC, AC3 audio encoding optional
- CC (closed caption) EIA608 supported
- Transmission mode (FFT): 2K, 8K (applied in DVB-T modulation)
- DVB-C/T/ASTC/ISDBT RF in one device, DVB-C/T/ASTC/ISDBT modulation dynamic switching
- Web-server management

APPLICATIONS



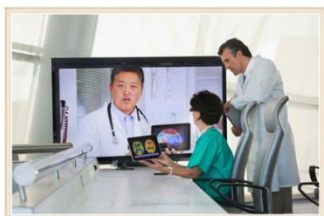
...for bars



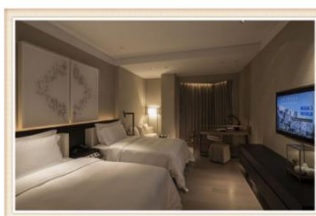
...for shopping centres



...for hoptials



...for hotels



...for casinos



...for gyms



TECHNICAL SPECIFICATIONS

Encoding Section

HDMI	
Video	Encoding MPEG-2
Interface	HDMI*1
Resolution---input	480@59.94/60i, 576@50i, 720@50/59.94/60p, 1080@50i 1080@59.94/60i, 1080@50p 1080@59.94/60p
Resolution---output	480@30p, 576@25p, 720@25/30p 1080@25p, 1080@30p, 1080@25p 1080@30p
Bit rate	1.000~20.00 Mbps
Aspect Ratio	16:9
Audio	
Encoding	MPEG1 Layer II, AAC, AC3
Sample rate	48 KHz
Bit rate	
MPEG1 Layer II	192kbps
AAC	VBR
AC3	128 kbps

Modulator Section

DVB-T	
Standard	DVB-T COFDM
Bandwidth	2M, 3M, 4M, 5M, 6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission mode	2K, 8K
MER	≥35dB
RF frequency	100~1000MHz, 1KHz step
RF output level	-63~-16(44~91dbμV), 0.1db step

DVB-C

Standard	J.83A (DVB-C), J.83B
MER	≥35dB
RF frequency	100~1000MHz, 1KHz step
RF output level	-63~-16(44~91dbμV), 1db step
Symbol rate	3.000~7.000Mpsps adjustable
J.83A	Constellation 16/32/64/128/256QAM Bandwidth 8M
J.83B	Constellation 64/256QAM Bandwidth 6M

ATSC

Standard	ATSC A/53
MER	≥35dB
RF frequency	100~1000MHz, 1KHz step
RF output level	-63~-16(44~91dbμV), 1db step
Constellation	8VSB

ISDB-T

Standard	ARIB STD-B31
Constellation	QPSK, 16QAM, 64QAM
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission mode	2K, 4K, 8K
RF frequency	100~1000MHz, 1KHz step
RF output level	-63~-16(44~91dbμV), 1db step

System

Remote control	web NMS
Language	English
LCN Insertion	yes
Upgrade	Web-server

General

Power supply	DC 12V
Dimensions	203*144*52mm
Weight	<1kg
Operation temperature	0~45°C