

HPR8402LM

Encoder Modulator



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HDMI TO DVB-T2 DIGITAL MODULATOR

NMS IP: 192.168.1.30
User Name: user
Password: user

1. INTRODUCTION

The HPR8402LM is a digital modulator designed with 8 HDMI input connectors. After encoding and multiplexing, the device will modulate the signals into DVB-T2 standard. Thanks to its IP input port in the front panel, it can take in the IP signal and output in RF signal as well to make full use of the bandwidth.

2. FEATURES

1. 256 IP (SPTS/MPTS) input over UDP or RTP
2. Video encoding in H.264 and audio encoding in MPEG and AAC.
3. Supports all major resolutions from 480i through 1080p60
4. Supports CA PID filtering, remapping and PSI/SI editing
5. Offers 4 or 8 continuous output channels with 4 channels in a row
6. Easy configuration with built-in Web UI

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3. SPECIFICATION

IP INPUT

Input Connector	1*100/1000Mbps port
Transport Protocol	UDP, RTP
MAX Input IP Address	256 channels
Input Transport Stream	MPTS and SPTS
Addressing	Unicast and Multicast
IGMP Version	IGMP v2 and v3

HDMI INPUT

Input Connector	HDMI 1.4 *8
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VIDEO

Encoding	H.264
Input Resolution	1920*1080_60P/_50P
	1920*1080_60i/_50i
	1280*720_60P/_50P

AUDIO

Encoding	MPEG 1 Lay II, AAC
Sample Rate	32 / 44.1 / 48 KHz
Bit Rate	384 kbps

RF OUTPUT

Output Connector	1* RF female 75Ω
Output Carrier	4 or 8 agile channels optional
Output Range	50 ~ 999.999MHz
Output Level	≥ 45dBmV
Out-band Rejection	≥ 60dB
MER	Typical 38 dB

DVB-T2

Bandwidth	1.7M,6M,7M,8M,10M
L1 Constellation	BPSK,QPSK,16QAM,64QAM
Guard Interval	1/4, 1/8, 1/16, 1/32,1/128
FFT	1k,2k,4k,8k,16k
Pilot Pattern	PP1 ~ PP8
Ti Nti	Disable, 1 , 2 , 3

ISSY	Disable,Short, Long
Extend Carrier	YES
Delete Null Packet	YES
VBR Coding	YES
PLP	
FEC Block Length	16200,64800
PLP Constellation	QPSK,16QAM,64QAM,256QAM
Code Rate	1/2, 3/5,2/3,3/4,4/5,5/6
Constellation Rotation	YES
Input TS HEM	YES
Time Interval	YES

MULTIPLEXING

Table Supported	PSI/SI
PID Processing	Pass-through, Remapping, Filtering
Dynamic PID Feature	Yes

GENERAL

Input Voltage	90 ~264VAC, DC 12V 5A
Power Consumption	
Rack Space	1RU
Dimension (WxHxD)	482*44*260mm
Net Weight	2.56 KG
Language	中文/ English