



SFT121X HDMI TO RF DIGITAL MODULATOR

NMS IP: 192.168.1.30
User Name: user
Password: user

*The X in the model number stands for the different output modulations.

1. INTRODUCTION

The SFT121X accommodates 12 HD input sources and generates 4 digital TV channels with a wide range of TV standards, such as DVB-T/-T2, DVB-C, ATSC, ISDB-T and DTMB. This ensures compatibility with various system requirements worldwide. This device also allows you to distribute the HD content over existing coaxial cable networks or over the IP network to your IPTV system simultaneously.

2. FEATURES

1. Output RF and IP over UDP or RTP simultaneously
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 continuous output channels
6. User-friendly web interface enables seamless channel management

3. SPECIFICATION

HDMI INPUT

Input Connector	HDMI 1.4 *12
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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
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IP OUTPUT

Input Connector	1*100/1000Mbps port
MAX Input IP Address	12 channels over UDP or RTP
Addressing	Unicast and Multicast
IGMP Version	IGMP v2 and v3

RF OUTPUT

Output Connector	1* RF female 75Ω
Output Carrier	4 agile channels optional
Output Range	50 ~ 999.999MHz
Output Level	≥ 45dBmV
MER	Typical 35 dB

DVB-C J.83A 6M,7M,8M

Constellation	64QAM,256QAM
Symbol Rate	3600 ~ 6960 KS/s

DVB-T 6M,7M,8M

Constellation	QPSK,16QAM,256QAM
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT	2k, 4k, 8k
Symbol Rate	6000,7000,8000 KS/s

ATSC 6M,7M,8M

Constellation	8VSB
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DVB-C J.83B 6M,7M,8M

Constellation	64QAM,256QAM
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Symbol Rate	Automatically
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DTMB	8M
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Constellation	16/32/64/4NR QAM
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Interleave Mode	NONE, 240 ,720
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FEC	0.4, 0.6 ,0.8
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Carrier Type	Multi or Single
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Sync Frame	420, 549, 595
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PN Phase	Variable or Constant
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Work Mode	Manual or Preset
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DVB-T2 1.7M,6M,7M,8M,10M

L1 Constellation	BPSK,QPSK,16QAM,64QAM
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Guard Interval	1/4, 1/8, 1/16, 1/32,1/128
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FFT	1k,2k,4k,8k,16k
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Pilot Pattern	PP1 ~ PP8
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Ti Nti	Disable, 1 , 2 , 3
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ISSY	Disable,Short, Long
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Other Parameters	Extend carrier,Delete null pack,VBR coding
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DVB-T2 PLP

FEC Block Length	16200,64800
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PLP Constellation	QPSK,16/64/256 QAM
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Code Rate	1/2, 3/5,2/3,3/4,4/5,5/6
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Other Parameters	Constellation Rotation, Input TS HEM, Time Interval
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ISDB-T 6M,7M,8M

Constellation	16QAM,64QAM
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Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
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Guard Interval	1/4, 1/8, 1/16, 1/32
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FFT	2k, 8k
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GENERAL

Input Voltage	90 ~264VAC, DC 12V 5A
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Power Consumption	
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Dimension (WxHxD)	mm
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Net Weight	KG
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Language	中文/ English
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