SFT7107
IP TO DVB-T2 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 SFT7107 is SOFTEL's second generation IP to RF modulator, which supports MPTS and SPTS IP inputs with the protocols over UDP and RTP. This modulator comes with one Gigabit IP input port and outputs DVB-T2 RF frequencies in 4 or 8. It is extremely easy to use thanks to the built-in intuitive WEB interface.

2. FEATURES

1. Receives 256 IP address (SPTS/MPTS) over UDP or RTP
2. Supports Unicast, Multicast and IGMP V2/V3
3. Supports CA PID filtering, remapping and PSI/SI editing
4. Supports up to 512 PIDs with PID remapping in manual or auto
5. Offers 8 DVB-T2 output channels
6. Easy configuration with built-in Web UI

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

RF OUTPUT

Output Connector	1* RF female 75Ω
Output Carrier	4 or 8 agial channel 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	57.48W
Rack Space	1RU
Dimension (WxHxD)	482*44*260mm
Net Weight	2.35 KG
Language	中文/ English