



## SKD301X 48CHS HDMI 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 SKD301X is an ultra-compact modulator headend for delivery TV content from HD video sources. The 4RU chassis is able to load in 16PCS HD modulators and output 48 services under 16 frequencies. The HD input card is hot-swapped design, offering the uninterrupted maintenance. Thanks to its rich features, the SKD301X performs high intelligence at lowest cost.

### 2. FEATURES

1. The cards are module design for plug-n-play
2. Video encoding in H.264 and audio encoding in MPEG and AAC.
3. Die-cast case is applied for awesome RF shield and quick heat sink
4. Equipped with auto-speed fans for energy saving and long lifespan
5. Offers redundant power supply as option
6. Centralized management for easy maintenance

## 3. SPECIFICATION

### HDMI INPUT

Input Connector	HDMI 1.4 *16
-----------------	--------------

### 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-LC
Sample Rate	32 / 44.1 / 48 KHz
Bit Rate	384 kbps

### RF OUTPUT

Output Connector	1* RF female 75Ω
Output Carrier	16 agile channels
Output Range	50 ~ 999.999MHz
Output Level	≥ 45dBmV
Out-band Rejection	≥ 60dB
MER	Typical 38 dB

### DVB-C J.83A

Bandwidth	6M,7M,8M
Constellation	64QAM,256QAM
Symbol Rate	3600 ~ 6960 KS/s

### DVB-T

Bandwidth	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

Bandwidth	6M,7M,8M
Constellation	8VSB

### DVB-C J.83B

Bandwidth	6M,7M,8M
Constellation	64QAM,256QAM
Symbol Rate	Automatically

### DTMB

Bandwidth	8M
Constellation	16QAM,32QAM, 64QAM,QAM_4NR
Interleave Mode	NONE, 240 ,720
FEC	0.4, 0.6 ,0.8
Carrier Type	Multi or Single
Sync Frame	420, 549, 595
PN Phase	Variable or Constant
Work Mode	Manual or Preset

### ISDB-T

Bandwidth	6M,7M,8M
Constellation	16QAM,64QAM
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/4, 1/8, 1/16, 1/32
FFT	2k, 8k
Remote Key ID	Support
Area Code	Support

### GENERAL

Input Voltage	90 ~264VAC, DC 12V 5A
Power Consumption	
Cooling Fan	5
Settings Restore	Yes
Rack Space	4RU
Dimension (WxHxD)	mm
Net Weight	KG
Language	中文/ English