

COL5021N IP Modulator



Outline

COL5021N IP Modulator supports ASI & IP to DVB-C/T/ISDB-T modulation out. This device has 6ASI & 3 GE port input , 1 GE port out with 8MPTS and Multiple modulation mode(DVB-C/T/ISDB-T) output through the RF output interface. It supports 16 carriers out for DVB-T/ISDB-T while 32 carriers out for DVB-C. This product can be widely used in new generation digital TV system with most cost effective proposal.

Features

- 3 GE input, Data1 and Data2 and Data3
- 128 IP for each GE input
- Supports accurate PCR adjusting
- Supports up to 512 PIDS remapping per channel
- 16 non-adjacent DVB-T/ISDBT carriers output, Compliant to ETSI EN300 744/ARIB STD-B31
- 32 non-adjacent QAM carriers output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B
- Support Web-based Network management

Specifications

Input	Input	128×3 IP input, 3*1000M Ethernet Port. 6ASI input
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Rate	Max 840Mbps for each GE input
Mux	Input Channel	384 IP input + 6ASI input
	Output Channel	32 for QAM, 16 for DVB-T/ISDB-T
	Max PIDs	512 per channel
	Functions	PID remapping(auto/manually optional) PCR accurate adjusting PSI/SI table automatically generating
Modulation (QAM)	QAM Channel	32 non-adjacent carrier
	Modulation Standard	EN300 429/ITU-T J.83A/B
	Symbol Rate	5.0~7.0Msps, 1ksps stepping
	Constellation	16, 32, 64 , 128, 256QAM
	FEC	RS (204, 188)
Modulation (DVB-T)	Channel	16 non-adjacent carrier
	Standard	ETSI EN300 744
	Constellation	QPSK/16QAM/64QAM
	Bandwidth	6/7/8 MHz
	Trans mode	2K/4K/8K
Modulation (ISDB-T)	Channel	16 non-adjacent carrier
	Standard	ARIB STD-B31
	Constellation	QPSK/16QAM/64QAM
	Guard Interval	1/32, 1/16, 1/8, 1/4
	Bandwidth	6MHz
	Code rate	1/2, 2/3, 3/4, 5/6, 7/8
	Transmission Mode	2K/4K/8K

RF Output	Interface	1 F typed output port for 16/32 carriers, 75Ω
	RF Range	96~864MHz, 1kHz stepping
	Output Level	-35dBm~-5dBm(72~102dbμV), 0.1dB stepping
	MER	≥ 40dB
	ACLR	-60 dBc
IP output	8 IP output over UDP/RTP/RTSP, unicast/multicast, Data1 output	
System	Web-based Network management	
General	Demission	485mm×300mm×44mm (LxWxH)
	Weight	4kg
	Temperature	0~45°C(operation), -20~80°C(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

