

48 Channels QAM Modulator IT-820



Production Introduction

IT-820 is a new high density QAM Modulator; it uses international leading technique, integrated with high reliability, Flexibility and customizability into the high quality processing platform.

It receive multimedia TS through Ethernet, extract desired TS program stream, multiplex, smooth jitter, and up conversion, make QAM modulated signals output though RF ports into HFC network. This is very adaptable to newly generation CATV broadcasting or VOD Head end system.



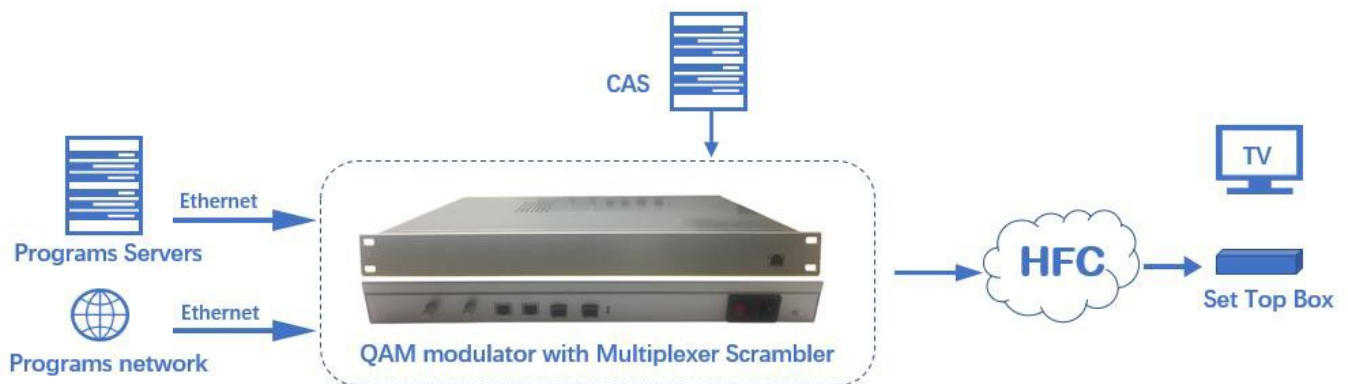
Digital television broadcasting



Interactive VOD

Product Application

- Support Max. 512 Pids processing per channel.
- Support Max. 48 Channels of QAM RF output
- Support Max. 2 Gbe IP data input/output.
- Redundant backup, change without off power, keep configured parameter



48 Channels QAM Modulator

Product Features

Input	Interface	2×GbE Ethernet Port IP input
	Transmission Protocol	TS over UDP/RTP, IP unicast and multicast; SPTS/MPTS /Data
	Transmission Rate	Over 900Mbps for each GE input
Multiplexing	PCR insertion, correction and PCR reproduction	
	PID pass-through, remapping (auto/manually optional)	
	Edit PSI/SI table automatically or manually	
Scrambling	Max 6 CAS Simulscrypt,	
	DVB CSA standard, DVB CSA standard, fully comply with all major CA	
Modulation	DVB-C Modulator	Bandwidth :8M/6M
	QAM Channel	48 non-adjacent carrier
	Modulation Standard	(DVB-C) EN300 429/ITU-T J.83A/B/C
	Symbol Rate	3.0~7.0Msps, 1kpsps stepping
	FEC	RS (204, 188)
Output	Interface	2 RF typed output port, 75Ω
	RF Range	50~1000MHz, 1kHz stepping
	Output Level	-18dBm~+11dBm(90~120dbμV), 0.1dBm stepping
	MER	≥ 40dB
	TS output	IP output over UDP/RTP, unicast/multicast, 2*100/1000M Ethernet Ports
System	Management	Web-based Management
	Language	English, Chinese
	Upgrade	Web
General	Dimension	284mm×444mm×44mm (LxWxH)
	Temperature	-20~80°C(storage)
	Power Supply	AC 100V~240V, 50/60Hz