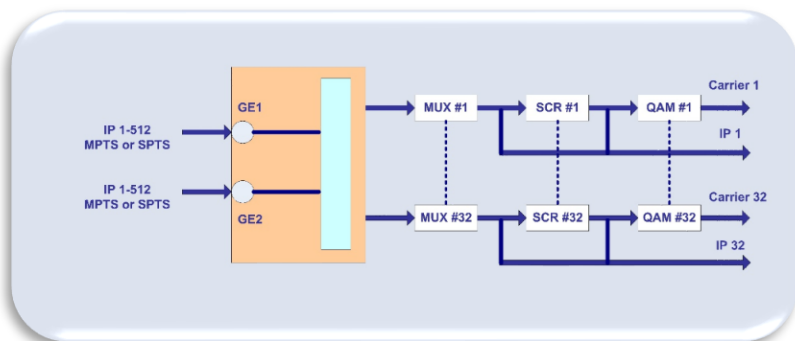


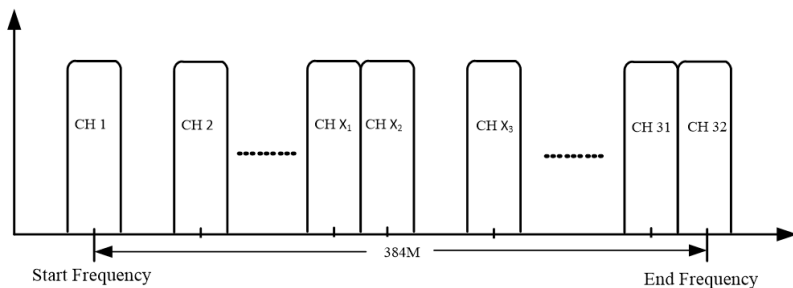
TL-9932 32-Channel IP QAM MODULATOR

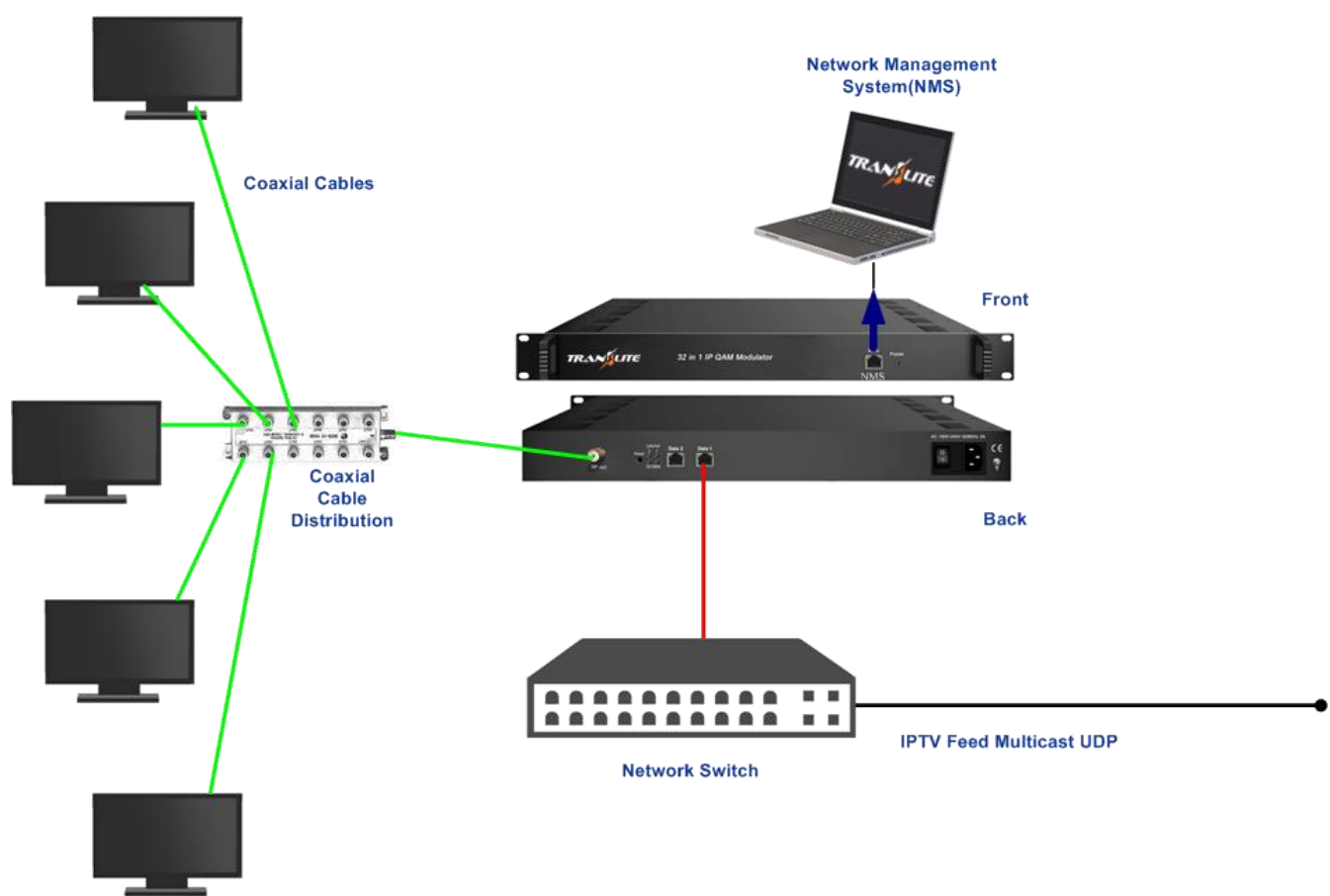
TL-9932 32 in 1 IP QAM modulator is our mux-scrambling-modulating all-in-one device. It supports maximum 1024 IP input through the GE port and 32 multiplexing scrambling QAM (DVB-C) modulating channels with non-adjacent carriers (50MHz~960MHz) output through the RF output interface. Its pay-as-you-grow modular design and flexible configuration makes it extremely scalable, very reliable with high performance, all of which are adaptable to new generation CATV broadcasting system.



KEY FEATURES

- 🔥 2 GE input, Data1 and Data2 (SFP interface optional)
- 🔥 Supports up to 1024 channels TS over UDP/RTP, unicast and multicast, IGMP v2\v3
- 🔥 Max 840Mbps for each GE input
- 🔥 Supports accurate PCR adjusting/CA filtering
- 🔥 Supports PID remapping and PSI/SI editing
- 🔥 Supports 32 multiplexed or scrambled TS over UDP/RTP/RTSP output
- 🔥 Supports up to 256 PID remapping per channel
- 🔥 32 non-adjacent QAM carrier output, compliant to DVB-C (EN 300 429) and ITU-T J.83 A/B
- 🔥 Supports RS (204,188) encoding
- 🔥 Support Web-based Network management





Input	
Input	512×2 IP input, 2*100/1000M Ethernet Port (SFP interface optional)
Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
Transmission Rate	Max 840Mbps for each GE input
Scrambling Parameters	
Max SimulCrypt CA	4
Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197
Connection	Local/remote connection
Modulation Parameters	
DVB-C Modulator Section	J.83A Constellation: 16/32/64/128/256QAM Bandwidth: 8M
	J.83B Constellation: 64QAM/256QAM Bandwidth: 6M
QAM Channel	32 non-adjacent carrier
Modulation Standard	EN300 429/ITU-T J.83A/B(DVB-C)
Symbol Rate	5.0 ~ 7.0Msps, 1ksps stepping
FEC	RS (204, 188)

Mux	
Input Channel	1024
Output Channel	32
Max PIDs	256 per channel
Functions	PID remapping (auto/manually optional)
	PCR accurate adjustment
	PSI/SI table automatically generated
RF Output	
Interface	1 F typed output port for 32 carriers, 75Ω impedance
RF Range	50 ~ 960MHz, 1kHz stepping
Output Level	-20dBm ~ +10dBm (87 ~ 117dbμV), 0.1dB stepping
MER	≥ 40dB
General	
Dimension	420mm×440mm×44.5mm (W×L×H)
Temperature	0 ~ 45°C (operation)
	-20 ~ 80°C (storage)
Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz

