



DHP200A

10G IP QAM Processor



Product Overview

DHP200A 10G IP QAM processor is an all-in-one device developed by DEXIN. It integrates multiplex, scrambler and modulator in one body with 48 (or 96) DVB-C QAM channels output through 2 (or 4) RF ports. With 10G switch built in, it can process both 10G optical signal and normal gigabit electronic signal to work as traditional QAM modulator.

The device is equipped with 1 (or 2) 48ch QAM card and characterized with dual RF output ports on each card to broaden the bandwidth for QAM carriers. Its high density helps operators to save cost to the most extent.

Key Features

- Support 3 SFP+ (10G)/SFP(1G) ports and 4 GE ports for input & output from front panel
- High density, modularized plug-in design, 1U chassis with two 48-channel QAM cards, each card has 2 GE for input & output
- Support multiplexer and scrambler with 6 CAS Simul-cryption

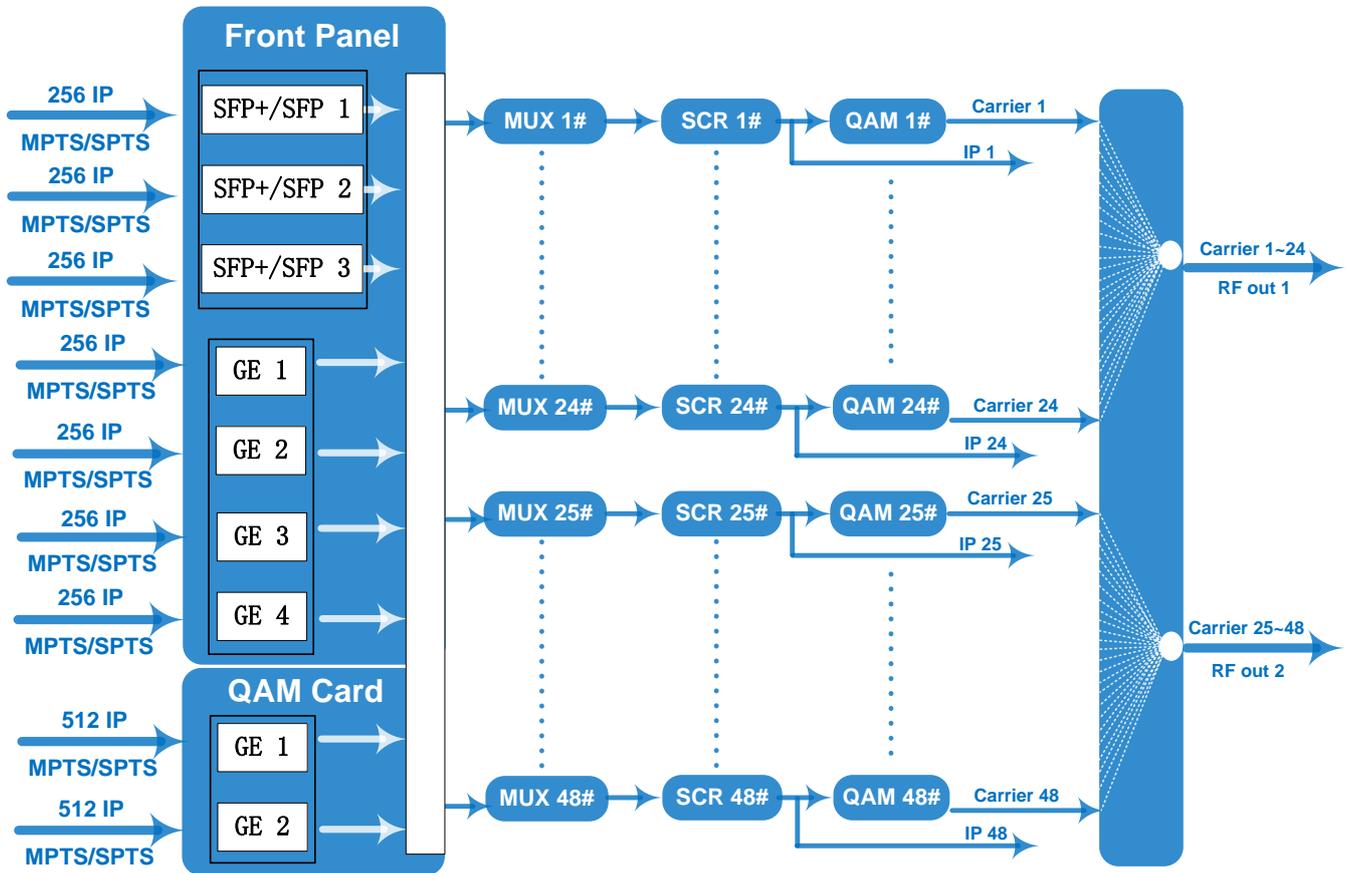


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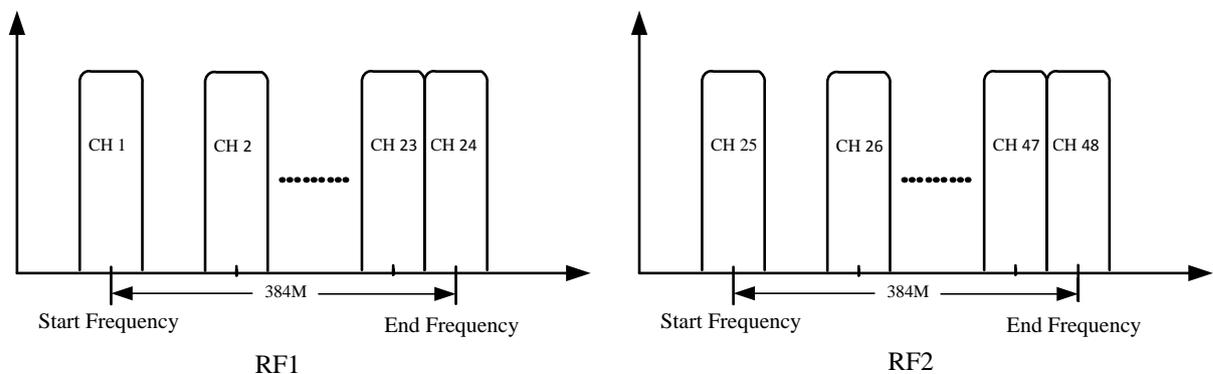
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- 48/96 non-adjacent QAM carrier outputs (48 channels out per card)
- Supports accurate PCR adjusting/CA filtering, PID remapping and PSI/SI editing
- Web-based Network management

Inner Principle Chart (per card)



Carrier Setting Illustration (per card)



Specifications

Input	Input	Max 256*4 IP in through GE ports 1-4 Max 256*3 IP in through SFP+/SFP ports 1-3		
	Transmission Rate	Max 960Mbps for each GE input, and Max 9600Mbps for each 10G SFP+/SFP input		
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3		
Mux	Max PIDs Remapping	256 per output channel		
	Functions	PID remapping (auto/manually optional)		
		PCR accurate adjusting		
		PSI/SI table automatically generating		
Scrambling	Max simulcrypt CA	6		
	Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197		
	Connection	Local/remote connection		
Modulation	Modulation Standard	EN300 429/ITU-T J.83A/B/C		
	Constellation	J.83A	Constellation :16/32/64/128/256QAM	
			Bandwidth :8M	
		J.83B/C	Constellation :64/256QAM	
			Bandwidth :6M	
	QAM Channel	48/96 non-adjacent carrier outputs, 384Mbps bandwidth for each RF port		
	Symbol Rate	3600~7000Ksps, 1ksps stepping 5057Ksps (J.83B, 64QAM) ; 5361Ksps (J.83B, 256QAM)		
	Constellation	16, 32, 64 , 128, 256QAM		
FEC	RS (204, 188)			
RF Output	Interface (per card)	2 F type output ports for 48 carriers, 75Ω Carrier 1~24 out thru RF1, 25~48 thru RF2		
	RF Range	50~960MHz, 1kHz stepping		
	Output Level	-20dBm~-+10dBm(87~117dbμV), 0.1dB stepping		
	MER	≥ 40dB		
TS output	Per Daughter QAM Card	48 IP output over UDP/RTP/RTSP, 2*100/1000M self-adaption, Ethernet Ports, unicast/multicast IP 1~24 out thru Data1, IP 25~48 out thru Data2.		
System	Network management software (NMS) supporting			
General	Demission	420mm×440mm×44.5mm (WxLxH)		
	Weight	5kg		
	Temperature	0~45℃(operation), -20~80℃(storage)		
	Power Supply	AC 100V±10%, 50/60Hz ; or AC 220V±10%, 50/60Hz		
	Consumption	15.4W		