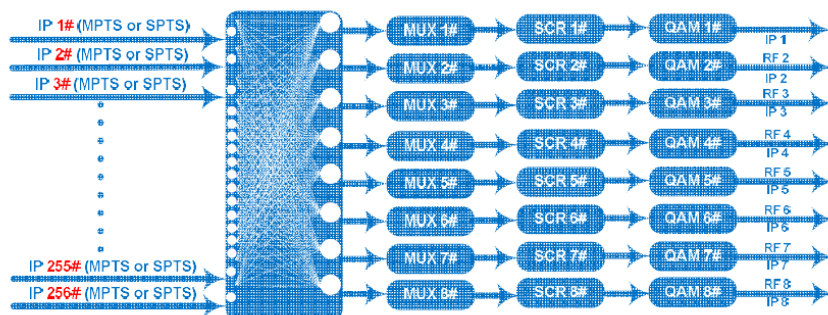## DX328 8 IP MUX-Scrambling and Modulation
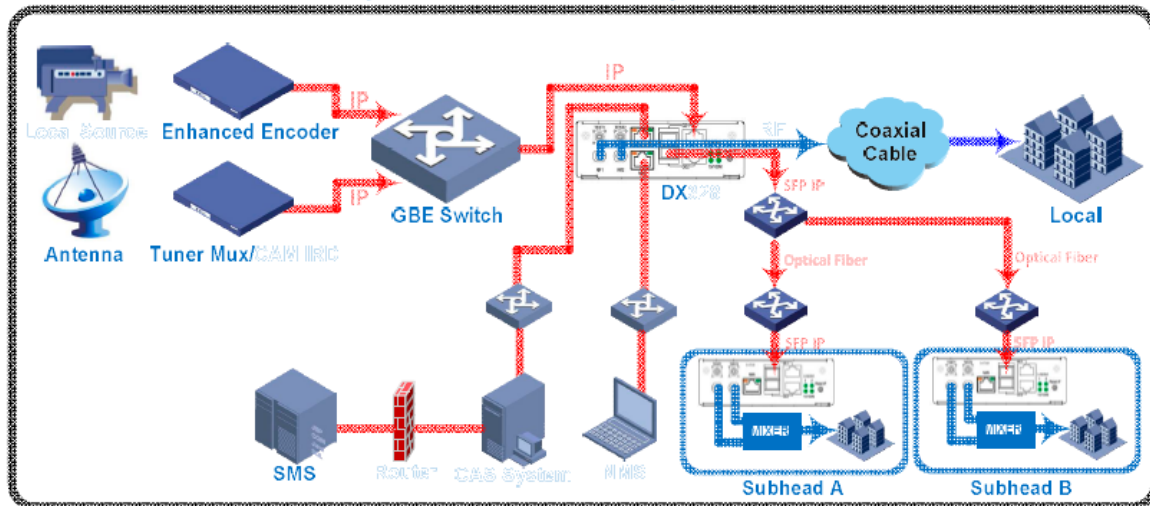

Features

- Modular design, 1U chassis supports up to 3 modules, 4U chassis supports up to 12 modules;

- Completely supporting DVB scrambling system(ETR289), simulcrypt standard ETSI 101 197 and ETSI 103 197;

- Fully complying EN300 429 J.83A/B/C /ITU-T;

- Supporting 1GE ports input or one SFP input, up to 256 IP inputs,   network anti-jitter;

- Supporting UDP protocol, unicast and multicast, 1GMP V2/V3;

- Supporting max 840Mbps for all channels;

- Inputting IP can be multiplexed to 8 output channels;

- Supporting multiplexing from any input channel to output channel;

- It supports up to 256 PIDS remapping per channel;

- Supporting accurate PCR adjusting;

- Supporting PSI/SI editing and inserting;

- Supporting 8 channel simultaneously scrambling, and each scrambling channel supports 4 simulscrypt CA;

- Supporting 8 QAM modulation carrier output, 2 RF output ports;

- Constellation: 16QAM、32QAM、64QAM、128QAM、256QAM;

- Symbol rate range: 5.0Msps~7.0Msps;

- RF output range: 48MHz~860MHz，1kHz stepping;

- RF output attenuation: -16dBm~6dBm，0.5dB stepping;

- MER≥40dB;

- Supporting network management software (NMS).

Inner Principle

Tel. : 089-200-1697 , 02-958-8059 Fax : 02-958-8800
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System Connection Sample IP Base

Specifications

Input	Interface	1GE(RJ45) or 1 SFP input port，hot backup
	Transport Protocol	TS over UDP，unicast and multicast, IGMP V2/V3
	Transmission Code	Max 840Mbps for all channels
MUX	Input Channel	256
	Output Channel	8
	Max PIDs	256 per channel
	Functions	PID remapping(auto/manually optional)
		PCR accurate adjusting
		PSI / SI table automatically generating
Scrambling Parameters	Max simulscrypt CA	4
	Scramble Standard	ETSI 101 197,ETSI 103 197
	Connection	Local/remote connection
Modulation Parameters	QAM Channel	8
	Modulation Standard	EN300 429/ITU-T J.83A/B/C
	Symbol Rate	5.0~7.0Msps，1ksps stepping
	Constellation	16、32、64、128、256QAM
	FEC	RS(204, 188)
RF Output	Interface	2 F typed output port for 8 carriers, 75Ω impedance
	RF Range	48~860MHz，1kHz stepping
	Output Level	-16dBm~6dBm(output IP from one F type)，0.5dB stepping
	MER	≥ 40dB
	ACLR	-60 dBc
System	Network management software (NMS) supporting	
General	Demission (WxLxH)	482mm×455mm×44.5mm
	Weight	6.1kg
	Temperature	0~45℃(operation)，-20~80℃(storage)
	Power Supply	AC 100V±10%，50/60Hz or AC 220V±10%，50/60Hz
	Consumption	15.4W

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