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บริษัท โอนัส พลัช อินเตอร์เทรด จำกัด
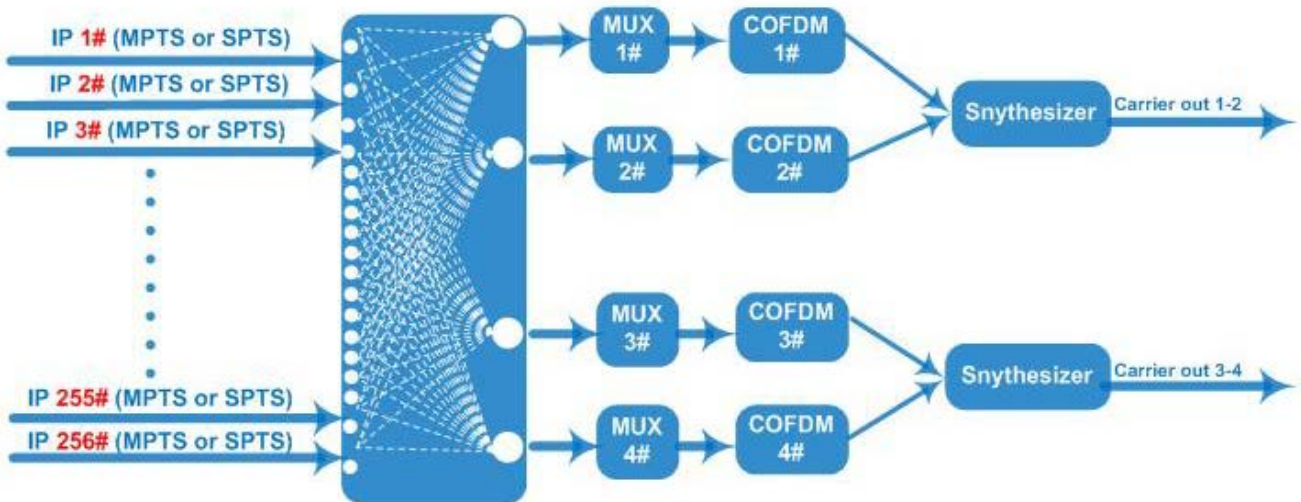ONUS PLUS INTERTRADE CO., LTD.

DX324T IP to DVB-T Modulator

Outline

DX324T IP Mux and modulation module is the latest generation mux-modulating all-in-one device. The modular design of this device makes each of its daughter cards stand-alone when operating. Each daughter card can receive the UDP/RTP format TS through GE port, and support up to 256 different IP address or port number. It's like the all-in-one device combined with 4 multiplexers, (256 channels inputs) and 4 DVB-T modulators, which can output 4 carriers (40M~960M) through the two RF output interfaces. Additionally, 1U chassis supports up to 3 modules (12 channels mux-modulation) while the 4U chassis supports up to 12 modules (48 channels mux-modulation). This DX324T IP Mux and modulating module has excellent integrated level, powerful performance and low cost, which is especially adequate for the new generation IP CATV system.

Features

- Dual power supply

- 1 GE input, RJ45interface or SFP

- Supports up to 256 channels TS input over UDP/RTP, MPTS or SPTS

- Supports unicast and multicast, supports IGMP v2\v3

- Max 840Mbps for all input

- Supports 4 channels multiplexing

- Supports accurate PCR adjusting

- Supports PID filtering, remapping and PSI/SI editing

- Supports up to 180 PIDS remapping per channel

- 4 DVB-T carriers output,compliant to ETSI EN300 744 standard

- RF output frequency range: 40~960Mhz, 1Khz stepping

- RF output level: -16~0dbm (per DVB-T carrier), 0.5db stepping

- Excellent RF performance, MER≥40db

- Support SNMP

- Modular design,1U chassis support 3 modules , 4U chassis support 12 modules

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Principle Chart

Specifications

Input	Interface	1GE(RJ45) or 1 SFP input port, hot backup
	Transport Protocol	TS over UDP/RTP, unicast and multicast, IGMP V2/V3
	Transmission Code	Max 840Mbps for all channels
MUX	Input Channel	256
	Output Channel	4
	Max PIDs	180 per channel
	Functions	PID remapping (auto/manually optional)
		PCR accurate adjusting
		PSI/SI table automatically generating
Modulation Parameters	Channel	4
	Modulation Standard	ETSI EN300 744
	Constellation	QPSK/16QAM/64QAM
	Trans mode	2K/4K/8K
	FEC	1/2,2/3,3/4,5/6,7/8
RF Output	Interface	2 F typed output port (per port 2 adjacent carriers)
	RF Range	30~860MHz, 1kHz stepping
	Output Level	-16~0dbm (per DVB-T carrier), 0.5db stepping
	MER	≥ 40dB
	ACLR	-55 dBc
System	Network management software (SNMP) supporting	
General	Demission (W x L x H)	630mm*440mm*44.5mm
	Weight	9kg
	Temperature	0~45℃(operation),-20~80℃(storage)
	Power Supply	AC 100V±10%, 50/60Hz or AC 220V±10%, 50/60Hz
	Consumption	15.4W