PBI digital horizon

Digital TV Equipment and System

DXP-3800MX
8-to-2 DVB Remultiplexer

DXP-3800MX is a professional broadcast DVB-TS Re-Multiplexer with dual independent remultiplexing unit. It can re-multiplex a large number of transport streams received over ASI and GbE interface and delivered via GbE interface and 2 independent ASI output ports. Remultiplexing up to 256 services with advanced management of PSI/SI tables, service filtering and remapping.

Support TS/IP input/output

2 independent TS output

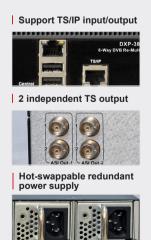**Hot-swappable redundant power supply**

Main Feature

- Fully compliant with ISO13818 and EN300 468 standard
- Dual MPEG2/H.264 transport stream remultiplexing unit
- 8*ASI inputs, up to 216Mbps for each interface
- 2*ASI independent outputs with backup, up to 216Mbps for each interface
- GbE interface up to 700Mbps(multi-channel output) or 80Mbps(full duplex)
- Reultiplexing up to 256 services
- Advanced management of PSI/SI tables, service filtering and remapping
- EIT bypass or re-generate
- Web and SNMP control and monitoring
- Compact 1RU cabinet with dual hot-swap power supplies

Specification

ASI Input	
Connector Type	8×BNC female, 75Ω
Standard	DVB-ASI, EN50083-9
Input Bit Rate	≤216Mb/s
TS over IP	
Connector Type	1×RJ-45, 100/1000 Base-T
Protocol	UDP/RTP, Multicast/Unicast, IGMP V2, V3
TS/IP Number	1 MPTS or SPTS (Full Duplex Mode); 10 MPTS (Multi-Channel Mode)
Max. Bit Rate	80Mb/s (Full Duplex Mode); 700Mb/s (Multi-Channel Mode)
TS Processing	
Max. Input Bit Rate	8×216Mb/s
Max. Output Bit Rate	2×180Mb/s
Package Length	188/204
Re-multiplexing	PSI auto generation Service and PID filtering and re-mapping NIT insertion and LCN edition EIT Processing
ASI output Monitoring	
Connector Type	2×BNC female, 75Ω
Standard	DVB-ASI, EN50083-9
Function	remux of 8 ASI inputs
Output Bit Rate	≤216Mb/s
Control & Monitoring	
Connector Type	1×RJ-45, 10/100 Base-T, for equipment IP Control
Control	Front panel, Web and SNMP
Software Upgrade	FTP Loader ,Telnet , USB and Web
Physical	
Power Supply	AC90~260V 50~60Hz
Power Consumption	50W
Temperature	Storage -10 to 60℃; Operation 0 to 45℃
Net Weight	7kg
Dimensions	482mm×504mm×44mm
Operating Humidity	10 to 90%, non-condensed
Front Panel	
Display	2×20 LCD Display

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Re-Multiplexers

Block Diagram

DXP-3800MX Functional Block Diagram (Full Duplex Mode)

ASI In1
ASI In2
ASI In3
ASI In4

4-Way ASI Receiver 1

ASI In5
ASI In6
ASI In7
ASI In8

4-Way ASI Receiver 2

Keypad
LCD/LED
Control
RS-232
Alarm

MCU

AC
90-250V

Power
Supply

AC
90-250V

Power
Supply

TS
Processor
(MUX)

ASI1
Transmitter

ASI OUT1 *1

ASI OUT1 *2

ASI2
Transmitter

ASI OUT2 *1

ASI OUT2 *2

TS Over IP

TS/IP In&Out

Back Panel Interface

ASI Out-1 ASI Out-2
Alarm
1 — 2 − ASI In − 3 — 4
RS-232
5 — 6 − ASI In − 7 — 8