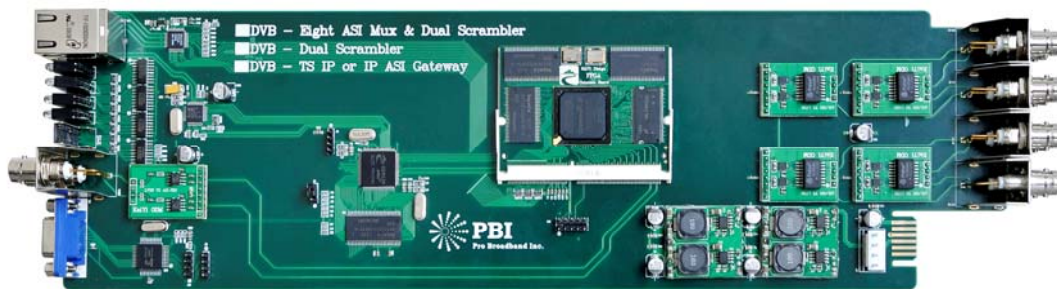


Dual Digital TV Re-multiplexer and Gateway

Model: DMM-2200MX



Main Features

- 8 ASI inputs, 2 ASI outputs, 1x100M, 1x1000M Ethernet ports
- Maximum bandwidth of 160Mb/s from ASI port and 420Mb/s from GbE IP port
- Maximum 20 TS from ASI port and 64 TS from GbE IP port
- Maximum 64 services from each ASI port and 64 services from each of 64 TS/IP
- Service, component, data de-multiplexing, filtering and re-multiplexing
- TS over IP in UDP, UDP/RTP, multicast, unicast modes
- TS over IP Pro MPEG FEC
- Service bit rate adaptation and PCR correction
- DVB Scrambler with Simulcrypt and BISS-1 and E
- PSI/SI regeneration, insertion with on line editor
- EIT pass through or dynamic remux and regroup from different services of different TS
- PSI/SI table tree structure in XML
- Opportunist data insertion to replace null packet
- Service QoS definition and policing
- Real time transport stream and service bit rate supervision
- Equipment configuration and supervision by HTTP Web

Technical Specification

ASI Ports	
Number	10 Inputs, 2 different Outputs
Input bit rate	≤ 213Mb/s
Output bit rate	≤ 160Mb/s
Data mode	BYTE or BURST auto-detection
Packet Length	188 /204 bytes, auto-detection
Signal Level	200-800mVpp±10%
Connector type	BNC Female, 75Ω
TS over IP	
Transmission mode	Multicast or Unicast , IGMP V2/V3
Number of streams	64, 128 or 256
Input and output Bit Rate	Maximum 420Mb/s, future extension to 860Mb/s
Encapsulation	UDP or UDP/RTP 1-7 TS packets in each IP packet
FEC(option)	Pro MPEG COP#3 (SMPTE 2022) future evolution
PCR clock reference	PCR regeneration
Connector type	1000M Ethernet RJ-45 electrical
TS Processing	
Maximum throughput	21Gb/s
Maximum TS	64 TS from IP and 8 TS from 8 ASI
Maximum service	64 services from each of 8 ASI port, 32 services if PCR regeneration 64 services from each of 64 TS over IP
Service management	Local service building Live service input pass through, stop, filtering, sharing and redundancy Service proprieties' edition and modification
Component management	Local component building Live component input pass through, stop, filtering, sharing, redundancy
EMM, ECM and private data	Crossing and filtering
Bandwidth management (option)	Transport stream and service bit rate view Quality of service definition, service policing, Overflow prevention
PSI/SI and Data	
PSI/SI	Regeneration and edition tables and descriptors through on line editor Tree structure view in XML format

EIT	Pass through, regrouping, automatic remapping of TS ID, ON_ID and Service ID in the EITs from different ASI and IP inputs
Data(option)	Opportunist data insertion to replace null packets
DVB Scrambling	
Scrambling mode	Simulcrypt, BISS-1, BISS-E
Simulcrypt number per TS	Maximum 4
Processing capability	<54Mb/s per TS
EMM	Maximum number 64; Protocol TCP or UDP; Maximum bandwidth 8Mb/s
ECM	Maximum number 64; Protocol TCP; Maximum bandwidth 3.8Mb/s
Control & Monitoring	
Connector Type	RJ-45, 10/100 Base-T
Local Control	16 LED, Support external key pad with LCD display and 6-key
Remote Control	HTTP Web, SNMP future extension
Equipment Upgrade	HTTP web page
Physicals	
Dimension	400mm×110mm×30mm
Weight	0.5Kg Net, 2Kg Gross
Power Supply	DC 5V, 5A
Power Consumption	25W
Temperature	Operating 0 ~ 45°C; Storage -10 ~ 60°C
Operating Humidity	10 ~ 90%, non-condensed

Order Information

Model	Configuration	ASI Port	TS/IP(ABC)	Scrambler(XYZ)
DMM-2200MX -0802-abc-xyz	Remux 8 ASI Inputs 2 ASI Outputs	10	000/420/840Mb/s	000/064/128
DMM-2200MX -0208-abc-xyz	Remux 2 ASI Inputs 8 ASI Outputs	10	000/420/840Mb/s	000/064/128
DMM-2200MX -0202-abc-xyz	DVB Scrambler 2 ASI Main Inputs 2 ASI Main Loop 2 ASI Spare Inputs 2 ASI Scrambled Outputs 2 ASI Clear Outputs	10	000/420/840Mb/s	000/064/128

ABC: TS/IP Bandwidth;

XYZ: DVB Scrambler License