DCM770

bi-direction ASI IP Multiplexer

DCM770, it is equipped with 4 bi-direction ASI and 3 bi-direction IP ports, the amount of ASI output should based on ASI input (ASI port can be used as input or output). The MPEG Processor is the intelligent headend processing equipment where the combination of compactness and flexibility leads to a cost-effective solution. Based on our experience, brings operational and economic benefits in MPEG processing applications.

DCM770 is an ideal solution, which can multiplex up to 4*ASI and 513*IP (SPTS/MPTS) input and output TS through ASI output port and 5*MPTS IP outputs. DCM770, 1RU platform, capable of processing a high number of MPEG video streams. It Supports advanced PSI and descriptor handling capabilities. PSI, SI tables can be regenerated and played out, changing dynamically according to input changes and configurations.

Key Features

- max 4 ASI input/output through 4 bi-direction ASI ports (ASI direction can be defined as input or output manually)
- 513 IP in over UDP/RTP (256×2 IP in through GE1 and GE2, 1 IP in through Data port)
- multiplexing of SPTS/MPTS into MPTS
- all input programs output bypass
- PID filtering, mapping and passthrough
- High density, high quality, high performance, high flexibility
- accurate PCR adjusting
- PSI/SI rebuilding and editing
- Huge buffer memory for saving the overflowing code stream
- WEB Management
- Reboot in Web-GUI
- Easy-to-Use System Management

Application

- All-Digital Broadcast IP Headend Solution
- Contribution and Distribution
- Demultiplexing of SPTS/MPTS into MPTS
- Deliver any MPEG content from satellite, cable, DTT source

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TECHNICAL SPECIFICATIONS

Inputs/Outputs

ASI in/out	4*bi-direction ASI ports max 4*ASI in/out BNC 75Ω
IP input	3*bi-direction Data ports 513*IP (SPTS/MPTS) input over UDP/RTP 256*2 IP in through GE1 and GE2 1*IP in through Data port
IP output	5*IP (MPTS) output over UDP/RTP (4*MPTS out through GE1 and GE2, 1*MPTS out through Data port)
Interface	RJ45, 100/1000Mbps self-adaption
MAX. Bitrate	850Mbps each port
MPEG-TS over IP Unicast/Municast (IGMP 2.0,3.0)	
Packet format	204/188 self-adaption

Multiplexing

Max PIDs	512 output per channel
Functions	PID re-mapping accurate PCR adjusting Automatic PSI/SI rebuilding and editing
PID transparent	Any PID transparent and mapping achievable

Control

Interface	RJ45, 10/100M NMS port
Remote Control	WEB
Language	English / Chinese
Ethernet software upgrade	

Environment

Power supply	AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz
Consumption	≤40W
Dimensions	482mm×300mm×44mm (WxLxH)
Weight	3.5 kg
Working Temperature	0~45℃
Storage Temperature	-20~80℃

Principle Chart

4 bi-direction ASI and 3 bi-direction IP ports