DCM771

bi-direction ASI IP Multiplexer&Scrambler



DCM771, 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.

DCM771 is an ideal solution, which can multiplex and scramble up to 4*ASI and 128*IP (SPTS/MPTS) input and 4*MPTS IP and MAX. 4*ASI outputs. DCM771, 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)
- 128 IP (SPTS/MPTS) input, 4 IP (MPTS) output through 3 bi-direction Data ports
- scramble with up to 4 simulcrypt CAs
- multiplexing of SPTS/MPTS into MPTS
- all input programs output bypass
- PID filtering, mapping and passthrough
- Up to 512 PIDs remapping per output channel
- 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 128*IP (SPTS/MPTS) input over UDP/RTP
IP output	4*IP (MPTS) output over UDP/RTP
Interface	RJ45, 100/1000Mbps self-adaption
ASI MAX. Bitrate	200Mbps each channel
Packet format	204/188 self-adaption

Scrambling

Max simulcrypt CA	4
Scramble Standard	ETR289, ETSI 101 197, ETSI 103 197
Scramble Channel	1
Connection	Local/remote connection

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

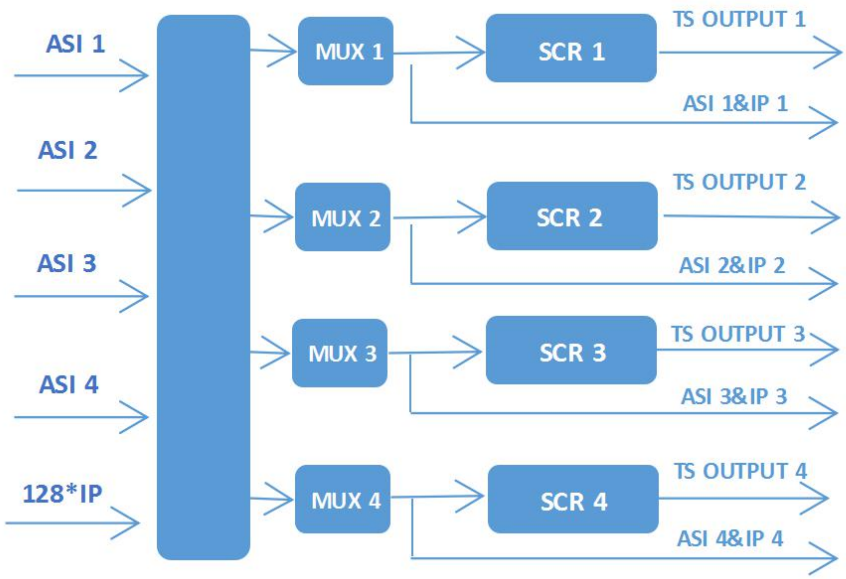
Interface	RJ45, 10/100M NMS port
Remote Control	WEB
Language	English / Chinese
Ethernet software upgrade	

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



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