D7

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URL IP Converter and ASI Multiplexer

HTTP, HLS, RTSP, RTMP, SRT, UDP



D7, a high-performance, cost-effective processing device, it is equipped with maximum of three Gigabit network ports (2 input and 1 output). DATA1 supports RTMP/HTTP/RTSP/HLS/SRT input, DATA3 supports UDP/RTP input, and DATA2 supports UDP/RTP output (4 MPTS/ 512 SPTS). **D7** supports 2 ASI input and 4 ASI 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.

Key Features

- Provides 3 gigabit port input/output(2 port input,1 port output)
- Supports RTMP/HTTP/RTSP/HLS/SRT input(DATA 1) , UDP/RTP input(DATA 3)
- Supports 1 gigabit output (DATA2) ,4 MPTS/ 512 SPTS over UDP/RTP
- Supports 2 ASI input
- Supports 4 ASI output
- Using 1U chassis, a single device integrates a set of front-end device functions, saving installation and wiring space
- Supports network management (Web)
- Support online upgrades
- Easy-to-Use System Management

Application

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

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TECHNICAL SPECIFICATIONS

Inputs/Outputs

ASI in	2*ASI in
	BNC 75Ω
IP input	2 Gigabit IP inputs
DATA1:RTMP/HTTP/RTSP/HLS/SRT input; DATA3: UDP/RTP input	
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

Outputs

ASI out	4*ASI out
	BNC 75Ω
IP out	1 Gigabit output,
DATA2: 4 MPTS/ 512 SPTS,UDP/RTP output	

Multiplexing

Functions	PID re-mapping
	Automatic PSI/SI rebuilding and editing
PID transparent	Any PID transparent and mapping achievable

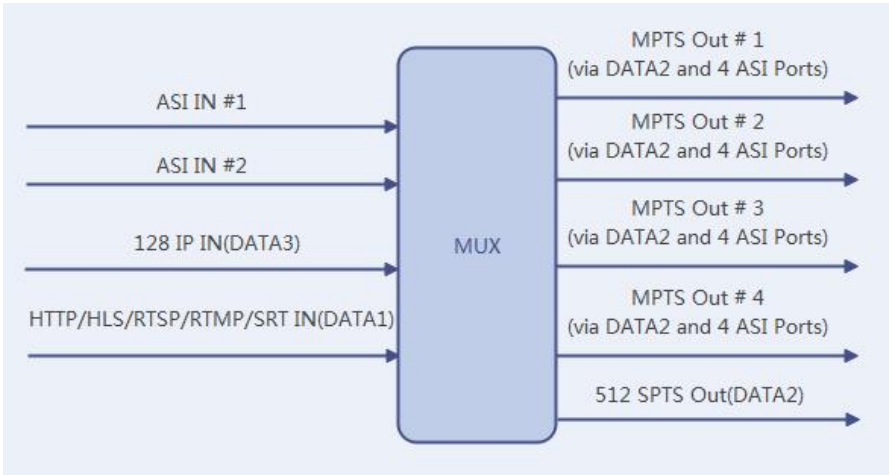
Control

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

Environment

Power supply	AC100~240V, 50/60Hz
Consumption	<30W
Dimensions	482mm×300mm×42mm
Weight	4 kg
Working Temperature	0~45℃
Storage Temperature	-20~80℃

Principle Chart



The number and bandwidth of IPTV stream input

IP Protocol	Video&Audio	Video Bitrate	Audio Bitrate	TS Bitrate	IP Input	Total bitrate
RTMP/RTSP/HTTP	H.264+AAC-LC	4Mbps	128Kbps	4.5Mbps	**64 Channels**	**280Mbps**
HLS	H.264+AAC-LC	3Mbps	128Kbps	3.5Mbps	**64 Channels**	**210Mbps**
SRT	H.264+AAC-LC	2Mbps	128Kbps	2.5Mbps	**56 Channels**	**140Mbps**

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