

DCM721

dibsys

Multifunctional ASI+IP-to-ASI Adapter



DCM721 is a compact 1RU platform capable of processing a high number of MPEG video streams. The MPEG Processor is the Second generation of 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 application. The optional built-in DVB scrambler allows easy integration with several Conditional Access (CA).

DCM721 is a new generation of ASI+IP-to-ASI adapter, which has 8 channels of ASI inputs, 2 channels of IP inputs. It adopts our newly developed functions such as "Module Management". The flexible customization and high expansibility can satisfy the user's current and future DTV system requirements.

The product is mainly applied to the DTV network head end room, edge of DTV backbone network, and DTV branch head end room.

Key Features

- 8 ASI inputs
- 2 IP inputs, support the standard RTP/UDP formats
- IP1 input data rate range: 1~80Mbps; IP2 input data rate range: 1~600Mbps
- Support 4 channels of ASI outputs
- Payload of UDP: 7 of 188-byte-length TS packets
- Support multiplex and PSI/SI process
- up to 256 program multiplexed
- SI/PSI auto-generation and manual uploading during re-multiplexing
- auto-generation of network information
- PID filtering, mapping and pass-through
- Data input and output parameters can be flexibly configured and it can auto-detect the input bit stream
- Support many network protocols, such as UDP, RTP, ARP, ICMP and IGMP
- HD/SD program transmission
- Web/SNMP-based management and online remote update
- both Chinese and English in web page and related technical document
- power failure memory recovery
- device configuration import/export
- Powerful background configuration function and web monitor system, ensure the device's high stability

Application

- All-Digital Broadcast IP Headend Solution
- Contribution and Distribution
- MPEG processing applications
- Deliver any MPEG content from satellite, cable, DTT source

TECHNICAL SPECIFICATIONS

Interfaces

Data input interface

BNC-Female	8
Impedance	75Ω
Physical Connector	RJ45
Quantity	2
Max signal transmission distance	100M
Cable requirements	Cat5e or cat6
Protocol	UDP/RTP

Network management interface

Electrical standard	IEEE 802.3 100/1000BASE-T self-adaptive
Connector	RJ45
Physical bandwidth	100Mbps
Max signal transmission distance	100M
Cable requirements	Cat5e or cat6

Data output interface

BNC-FEMALE	4
Impedance	75Ω

I/O feature specification

ASI input

Number of input streams	0~8
Maximum bit rate per channel	≤99Mbps

IP1 input

Number of input streams	0~16
Total bit rate	≤80Mbps

IP2 input

Number of input streams	≤16
Total bit rate	≤600Mbps

ASI output

Number of output streams	0~4
Maximum bit rate per channel	≤99Mbps

Multiplexing

TS input

Input TS number	0~40
Total services number(total)	0~256
Service number per input TS	0~64

TS output

Output TS number	0~4
Total services number(total)	0~256
Service number per output TS	0~64

PSI for output TS

Standard(syntax and send period)	ISO/IEC 13818-1, DVB SI(ESI EN300468)
Table type	PAT/PMT: Generated automatically TDT/TOT: Optional

Control & Monitoring

Interface	1000M Base-T Ethernet, RJ45, WEB (IE 8.0 or above)
6 keys	UP, DOWN, LEFT, RIGHT, ENTER, ESC
Remote Control	Web management
Local Control	Front-Panel LCD configuration, LED indicate light

Environment

Power Supply	AC 90-260V 50/60Hz
Power consumption	35W
Dimension	L: 460mm, W: 483mm, H: 44mm (1RU)
Operating temperature	-10 ~ 50℃
Storage temperature	-10 ~ 75℃
Humidity	10 ~ 90% non-condensed
Weight	6KG

ORDERING INFORMATION

Product category	Product Model	Detail Description	Application
Related Products	PREMIUM 8* DVB-S2 FTA IRD IRD1218	8* DVB-C or FTA/BISS DVB-S2 inputs(QPSK/8PSK demodulation); 14*MPTS/240+SPTS/2ASI out; MPEG-TS over UDP/RTP; Multiplexer/ Scrambling; 5 years Warranty	-Large and Medium Cable TV operator -IPTV/OTT headend -Content providers -DTH -Carrier-grade
	PREMIUM 8* DVB-S2 CI IRD IRD1380	8*DVB-C/S2/T2/ATSC/ISDBT/8 CI input; 9*MPTS/128*SPTS/ 9*ASI out; MPEG-TS over UDP/RTP; Multiplexer; 5 Years Warranty	
	Carrier 8* ATSC/ISDB-T/DVB-T2 FTA IRD IRD1518S	8* ATSC, ISDB-T, DVB-T2(or DVB-C/DVB-S2) FTA tuners inputs, 256* UDP/RTP SPTS over IP out	
Companion Products	Professional IP QAM Modulator IPQ6250	16 QAM no-adjacent/Two GbE IP per Module, 3 Modules/48QAM per 1RU, Annex A/B/C, Multiplexer/ Scrambling; 5 Years Warranty	-Cable TV operator -Distribute video to QAM Network
	200Channel IPTV Transcoder Caster-T328	25SD(or 12hd or 5FullHD) Chs per Module, 8 Modules per 3RU, H.264(Upgrade to H.265 by license), RTMP/HLS/UDP/ HTTP/RTSP; Across/upscale/downscale convert 3 Years Warranty	-IPTV -Cable TV operator -Content Provider -Video to Ethernet
	H.264/H.265 IPTV Transcoder Anystream428	2*GbE IP input/output, 25*SD or 12*HD or 5*FullHD transcoder per blade, Up to 8 hot plug blades, H.264/H.265 UDP/RTSP/HTTP/HLS/RTMP; 5 Years Warranty	-Cable TV/DTH -IPTV/OTT -Web/Internet TV -Ultra-low bitrate at superior video quality
	120Channel H.264 OTT Transcoder Matrix-VI	30*SD (or 15*HD or 6*FullHD) per module. Up to 4 modules 120Channels, H.264 encoding, 2RU chassis, UDP/RTSP/HTTP/HLS/RTMP; 5 Years Warranty	