DCM720

GbE IP to 8x DVB-ASI Multiplexer built-in Scrambler



DCM720 Digital Content Manager (DCM) MPEG Processor 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 applications.The optional built-in DVB scrambler allows easy integration with several Conditional Access (CA)

DCM720 Professional DCM platform is an ideal solution for multiplexing, scrambling of MPEG streams which provide a cost effective, versatile and efficient for delivering digital TV content over DVB-ASI that Integrates up to 250 separate IP address or Ports and De-encapsulates and Routes Any or All Selected Transport Streams via 8 ASI Output Port

DCM720 Supports advanced PSI and descriptor handling capabilities. PSI,SI tables can be regenerated and played out, changing dynamically according to input changes and configurations. Integration with SI-Editor allows customized PSI/SI situations to be addressed.

Key Features

- Up to 8 channels DVB-ASI per chassis
- Up to 250 separate IP Inputs
- De-encapsulates and Routes Any or All Selected Transport Streams outputs
- Support processing for multiplexing PSI/SI Table
- PID filtering,mapping and passthrough
- Input data rate range: GbE IP:1 ~ 800Mbps
- Output DVB-ASI: ≤100Mbps
- Auto-generation and manual upload for SI/PSI information
- SPTS and MPTS supported
- Up to 4 CAS simul-cryption
- Transrating of MPEG2/MPEG4 AVC SD and HD
- Management via WEB and local front panel
- Integrated, compact 1-RU platform saves rack space and reduces operating costs
- Low network jitter, low latency, high PCR precision
- Easy-to-Use System Management
- Real-time monitoring bit rate statistics

Application

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

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TECHNICAL SPECIFICATIONS

GbE IP Input

IP Input	1000M base-T,Full Duplex
Bit rate	≤800Mbps
Data Protocol	UDP, Multicast/Unicast
Stream number	0~250
MPEG over IP	7x188 ts packets per udp packet

DVB-ASI Output

ASI Interface Standard	EN50083-9 or SMPTE259M
ASI Output	8x ASI,BNC,75Ω
Transmission Rate	each channel≤100Mbps
Reflected impedance	15dB@270MHz

Multiplexing

PSI/SI table	PAT,PMT,NIT,TOT,TDT,BAT automatic or manual generate
Multiplex	Up to 250 programs
MPTS out	32 service id per one MPTS out

PID Filter, Remapping capabilities

Scrambling (option)

Scrambling	Up to 256 programs to scrambling
CAS simul-encryption	0-4
EMM of bandwidth	1-3Mbps

The scrambling function and configures the numbers of output modulation channel through software authorization

Control & Monitoring

Interface	RJ-45, 100M Base-T Ethernet
Remote Control	Web management (IE 8.0 or above)
Local Control	Front-Panel LCD configuration, LED indicate light
6 Keys	UP, DOWN, LEFT, RIGHT, ENTER,ESC

Environment

Rated voltage	AC 90-260V 50/60Hz
Rated power	50W
Working Temperature	-10～50°C
Storage Temperature	-10～75°C
Size (LxWxH)	460mm×483mm×44mm(1RU)
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 demoduation); 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	

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