DCM710

8x ASI/GbE IP MPEG Processor with Multiplexing, Scrambling



DCM710 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 application. The optional built-in DVB scrambler allows easy integration with several Conditional Access (CA).

DCM710 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 IP networks that Integrates up to 16 separate IP address or Ports and De-encapsulates and Routes Any or All Selected Transport Streams via eight ASI Inputs Port.

DCM710 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 input per chassis
- Up to 16x MPTS IP outputs
- De-encapsulates and Routes Any or All Selected Transport Streams outputs
- Support processing for multiplexing PSI/SI Table
- PID filtering,mapping and passtthrough
- Output data rate range: GbE IP:1 ~ 800Mbps
- Input 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 IP Headend Solution
- Contribution and Distribution
- MPEG processing applications
- Deliver any MPEG content from satellite, cable, DTT source

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TECHNICAL SPECIFICATIONS

ASI Input

Comply to the ASI interface standard of EN50083-9 or SMPTE259M

Connector Type	BNC,75Ω
Number	8x ASI
transmission rate	≤100Mbps each channel
Reflected impedance	﹤15dB@270MHz
Maximum input level	800mV±10%

IP out

1000M base-T, Full Duplex

Bit rate	≤800Mbps
TS Stream	MPEG TS over UDP/IP output Multicast/Unicast
Stream number	1~16 7x188 ts packets per UDP packet

Multiplexing

PSI/SI table	(PAT, PMT, NIT, TOT, TDT, BAT) automatic or Manual generate Up to 250 programs to multiplex Max.32 service id per one MPTS out PID Filter, Remapping capabilities

Scrambling (option)

Number	Up to 512 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	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 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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