

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



Overview

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 eight ASI Output Port

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

Technical specifications

GbE IP Input	
	1000M base-T,Full Duplex
	Bit rate: ≤800Mbps
	Data Protocol: UDP, Multicast/Unicast
	Stream number: 0~250
	7x188 ts packets per udp packet
DVB-ASI Output	
	Comply to the ASI interface standard of EN50083-9 or SMPTE259M
	8x ASI,BNC,75Ω
	The transmission rate of each channel≤100Mbps
	Reflected impedance<15dB@270MHz
	Maximum Out level 800mV±10%
Multiplexing	
	PSI/SI table(PAT,PMT,NIT,TOT,TDT,BAT) automatic or manual generate
	Up to 250 programs to multiplex,and 32 service id per one MPTS out
	PID Filter,Remapping capabilities
Scrambling (option)	
	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	
	100M Base-T Ethernet, RJ45,WEB((IE 8.0 or above)
	6 keys: UP, DOWN, LEFT, RIGHT, ENTER,ESC
	Front-Panel LCD configuration, LED indicate ligh
Environment	
	Rated voltage: AC 90-260V 50/60Hz
	Rated power: 50W
	Working Temperature: -10~50°C
	Storage Temperature: -10~75°C
	Size: L: 460mm, W: 483mm, H: 44mm(1RU)
	Weight: 6kg