# DCM730

## ASI Multiplexer Scrambler with 8*ASI and 64*IP in




DCM730 Digital Content Manager (DCM) MPEG Processor is a compact 1RU platform capable of processing a high number of MPEG video streams. The multiplexer scrambler has all the functions of normal TS multiplexer, including programs multiplexing and scrambling, PID re-mapping etc. Also the multiplexer can insert EPG (Electronic Program Guide), and data casting information into each output stream.

DCM730 Professional DCM platform is an ideal solution, which can multiplex up to 8 ASI and 64 IP input and output TS through 2 groups of separate ASI output port and two GE port for two separate IP outputs. 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.

DCM730 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

- Fully complying with ISO13818 and EN300 468 standard
- Support 8 ASI input for re-multiplexing
- Two groups (each group has 2 channels)separate ASI outputs
- Support 64 IP (DCM730)/512 IP (DCM730M) input through DATA 1 and DATA 2 over UDP protocol
- Support accurate PCR adjusting/ PID re-mapping/PSI/SI rebuilding and editing
- Up to 6 different simulcrypt (CAS ETR289, ETSI 101 197, ETSI 103 197)
- IP (2 MPTS) over UDP, RTP/RTSP output as mirror of ASI output (RJ45), GE Port, DATA 1 and DATA 2
- Support to multiplex one program to all outputs
- Huge buffer memory for saving the overflowing code stream
- Low network jitter, low latency, high PCR precision
- Integrated, compact 1-RU platform saves rack space and reduces operating costs
- Real-time monitoring bit rate statistics
- Management via WEB and local front panel
- Easy-to-Use System Management

### Application

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

Copyright © Hangzhou Dibsys Technologies Co.,Ltd. All Rights.
¦ www.dibvision.com ¦ sales@dibvision.com ¦ +86 571 8971 4580 ¦ Skype:dibdvb

## TECHNICAL SPECIFICATIONS

### Input

| | |
|---|---|
| ASI | 8 Ports |
| IP | 64 IP input DATA 1 and DATA 2 over UDP protocol |
| Packet format | 204/188 self-adaption |

### Output

| | |
|---|---|
| ASI Output | 2 groups separate outputs (each group has 2 channels) |
| IP Output | 1000M based (RJ45) MPTS over UDP, RTP/RTSP output DATA 1 and DATA 2 |
| Amount of output PID | 512 (DCM730), 180 (DCM730M) |
| PID Output Range | 0x0000—0x1FFF |
| PID transparent | Any PID transparent and mapping achievable |

### Re-multiplex

| | |
|---|---|
| PID re-mapping | auto/manual optional |
| PCR accurate adjusting | |
| PSI/SI (PAT, PMT) table | Automatically generating and edition |

### Scrambling

| | |
|---|---|
| Simul-crypt CA | 6 |
| Standard | ETR289, ETSI 101 197, ETSI 103 197 |
| Connection | Local/Remote connect |

### Control & Monitoring

| | |
|---|---|
| Interface | RJ-45, 10/100M self adaption |
| Remote Control | Web management |
| Local Control | Front-Panel |

### Environment

| | |
|---|---|
| Temperature | 0~45℃(operation), -20~80℃(storage) |
| Power supply | AC 110V±10%, 50/60Hz Or AC 220V±10%, 50/60Hz |
| Consumption | ≈18W |
| Demission (LxWxH) | 482mm×300mm×44mm (WxLxH) |
| Weight | 3.5kg |

### Ordering information

| | |
|---|---|
| DCM730 | with scrambling |
| DCM730M | without scrambling |

## 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<br>-IPTV/OTT headend<br>-Content providers<br>-DTH<br>-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<br>-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<br>-Cable TV operator<br>-Content Provider<br>-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<br>-IPTV/OTT<br>-Web/Internet TV<br>-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 | |

Copyright © Hangzhou Dibsys Technologies Co.,Ltd. All Rights. 