

# Sumavision

## **SUMAVISION MULTIMEDIA ROUTER—SMR**

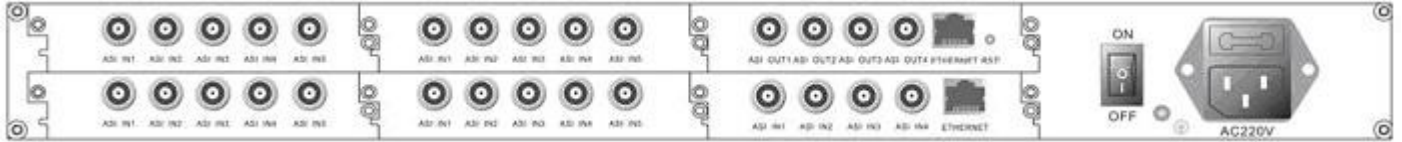
The Sumavision Multimedia Router is the world's first single rack unit card insertion structure (6 slots) signal processing platform with multi resolution, multi standard, multi service, multi protocol and multi channel capability. The high performance and high density SMR significantly enhances bandwidth efficiency and flexible architecture. SMR is the most advanced and flexible platform for Cable, IPTV, Terrestrial, Mobile or Satellite available today.



- Card-insertion structure, configure flexibility input and output cards number;
- Mass Data Throughput: 10G data processing, 6G data output
- Highly integrated, 1SMR can support maximum 29 ASI input and 600 TV services;
- SMR can achieve maximum 12 frequencies multiplexing, TS processing, scrambling, statistical multiplexing;
- Powerful PCR correction, calibrate PCR accuracy of input data; PID filtering and re-mapping function;
- Support PAT, PMT, CAT, NIT, SDT, BAT all PSI/SI table parsing, editing, generating ect;
- Perfect back-up mechanism for multi-level security; Support dual power supply hot backup;
- 65nm low-power FPGA, low power consumption, high stability;

### **HIGHLIGHTS**

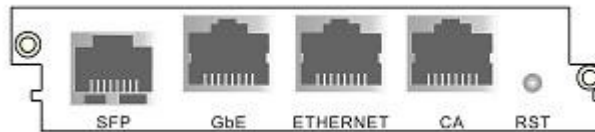
- Multi-codec support: capable of MPEG-2 or H.264 (MPEG-4/AVC) encoding of both SD and HD video
- High quality low bit-rate encoding with pre-processing technology
- Up to 10 channels per chassis (1RU)
- Support Dolby Digital (AC-3) 2.0 encoding and Dolby Digital (AC-3) 1-5.1 channel encoding
- Support both DVB and ATSC standard
- Capable of multiple streams include ASI, IP, E1, DS3, RF, QPSK, etc.
- Support Closed Caption (EIA-608&EIA-708) and Teletext (WST ETS-300472)
- Support all SD and HD formats (hardware capable up to 1920 x 1080)



## IP Scrambling Card(Daughter Card)



- Scrambling Card attached on Gigabit IP card is used for scrambling IP streams
- Scrambling for 10 TS streams simultaneously
- Support scrambling up to 64 programs for each TS stream, up to 15 PID for each program
- Support DVB and OpenCAS for EIS
- Support the same EMM for different TS streams, maximum 12 EMMs ,maximum bandwidth 2Mbps for each EMM
- Support 4 CAS Simulcrypt for each TS stream
- Maximum 40 AC for each TS stream, maximum 768 bytes for each AC



## Gigabit IP Card

### Inputs

- 1×10/100BASE-T Ethernet control port, RJ-45
- 1×10/100BASE-T Ethernet port for scrambling, RJ-45

### Outputs

- 1×SFP, 1000BASE-SX/LX, IEEE802.3z
- 1×Gigabit Ethernet, 100/1000BASE-T, IEEE 802.3ab

### Signal Processing over IP

- Total Processing capability: 960Mbps
- Support up to 16 different multiplexing flow input and 10 different multiplexing flow output
- Packet length: 188 or 204
- Support bit rate setting for each output
- UDP protocol, support SPTS and MPTS, unicast /multicast
- Support IP address and port number setting for each output
- Compatible with other cards of EMR for IP output

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