

Multifunctional Streaming Processing Platform

GM-8000S

GM-8000S is the flagship stream processing equipment in Gospel's new generation of high-speed IP-based digital TV front-end products. Together with IPQAM modulator, code stream receiving conversion and encoder with IP output, traditional stream processing equipment and ASI to IP adapter and other equipment, it constitutes a new generation of Gospel's new-generation digital TV front-end system based on IP and soft switching technology. Overall solution. They will gradually replace traditional equipment and become the core equipment of our company's next-generation digital TV front-end system solution.

Front panel :



Rear panel :



Main Features

- Full IP data processing, support MPTS and SPTS
- Supports multiplexing and scrambling of multiple program streams
- Supports the same secret and DVB-CSA scrambling
- Single device can complete all digital TV stream processing except code rate conversion and transcoding
- Data input and output network parameters can be flexibly configured
- Can process up to 500 input TS streams, 200 output TS streams, and 512 digital TV programs simultaneously
- TS input bandwidth reaches 1600Mbps and output bandwidth reaches 800Mbps
- Supports web-based network management without special network management software
- Automatically save user configuration to save last work status
- Multilingual device management page and related technical materials to adapt to domestic and international markets
- With working temperature and power supply monitoring function
- Dual power hot backup, seamless switching

- Support import and export of equipment working parameters
- All embedded software of the device can be upgraded online

Technical Specifications

Input	
Types	RJ-45
Input bit rate	≤1600Mbps
Format	MPEG TS-over-IP Unicast or multicast (IGMP 2.0 / 3.0)
Output	
Types	RJ-45
Output bit rate	≤800Mbps
Format	MPEG TS-over-IP Unicast or multicast (IGMP 2.0 / 3.0)
Multiplexing Scrambling	
multiplexing	PSI / SI tables support automatic generation or manual insertion
	Support intelligent program search
Scrambling	Support program-level scrambling
	Single TS scrambling code rate up to 60Mbps
	Built-in scrambler
	Support 4 CASs
EMM bandwidth	Maximum bandwidth 3Mbps
Bit rate statistics	Support TS stream, program, PID level

	real-time bit rate statistics
Max scrambled programs	512
Management	
Interface type	Ethernet 10/100 Base-T
port	RJ-45
Power consumption	
Input voltage range	85 ~ 260V AC
Input frequency range	50/60Hz
Power consumption	<15W
Environment	
range of working temperature	5°C ~ 45°C
Storage temperature range	-25 ~ 85°C
Ambient humidity range	10% ~ 90%
Physical index	
Size (W x H x L)	483mm x 44mm x 450mm
Total Weight	5 Kg

Typical Application

