

## EPG processing card

With the development of information technology, it's easier to get EPG information of the programs and there is a unified format. Also the providing program information file service is formed. In the traditional EPG network, media transmission stream and EPG information are processed separately, EPG transmission stream is generated by EPG-Server; after processing separately they are multiplexed and transmitted by the multiplexer. This network is complicated and functions are distributed, it will increase operator's investment in the case of few users; and if there are sub-headend the situation will be more complicated; so EPG multiplexing processing card can completely replace the program information editing function and program information processing function (generating transmission stream) of EPG-server.

Given this situation, Sumavision launched EPG processing card of hardware programs, it can improve the EPG information processing capability that the customers need, and reduces operator's investment in headend devices; comparing to the traditional server platform, this card has great improvement in the stability, and it won't be limited by the server's processing capacity and the operating system's ability. Sumavision EPG processing card greatly increases the safety and accuracy of operator's EPG system.

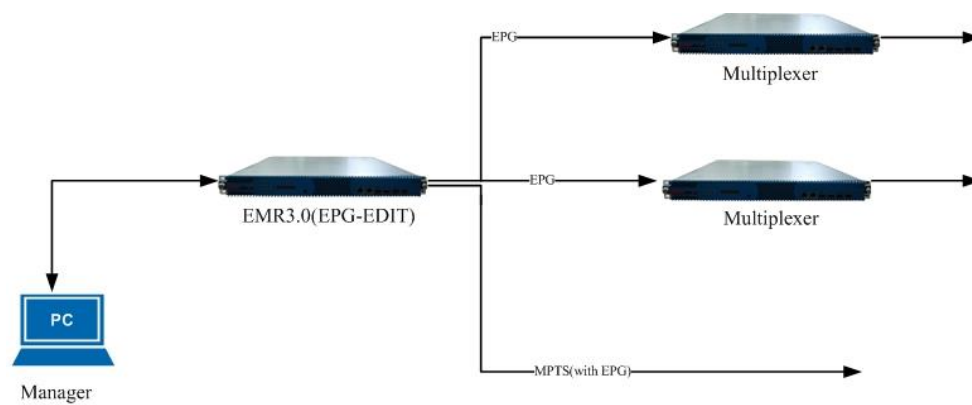
The Sumavision EPG processing card mounted with EMR3.0 may edit and re-multiplex the EPG information in the input TS stream for all output ports of the platform.

EPG processing card edit mode:

In this mode, the EPG processing card can receive a fixed format (such as txt, xml file)

EPG information, edit and re-multiplex. then generate TS stream and sent the TS stream to the multiplexer of lower levels or direct multiplex it into MPTS code stream for transmission.

The advantage of this model is that the operators do not have to edit and input the EPG of program separately, instead, operators can obtain program information guidance from a third party and multiplex them into the existing TS stream directly.



Detailed parameters		
File format	xml	Support xml format, Produce offline xml file format conversion software, unify different formats of xml (txt) .
Program amount	1024	
File storage	40M	Set the application in batches, for the file group that is more than the value;
File management	ftp	
Application management	web	
Application	Local Service	Services only to the frequent

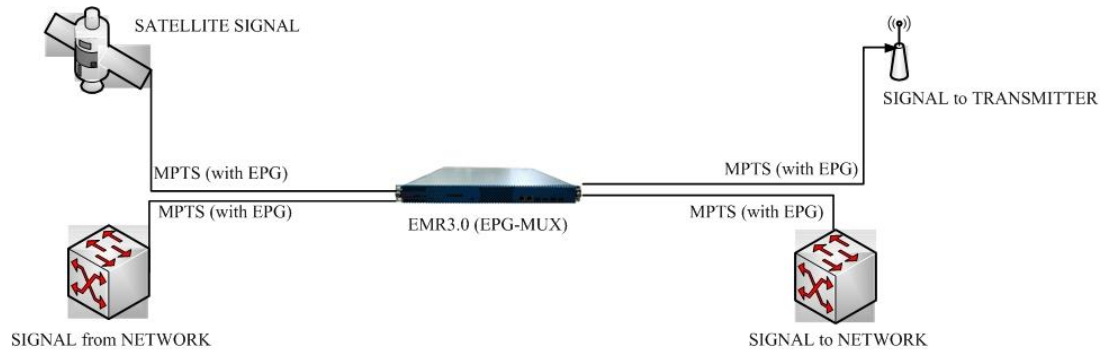
scenarios		program of current platform
	Second Service	Services subordinate cascading equipment
Information description support	short-event	Support 128 characters most;
	extended-event	Support 1024 characters most;
	content	
	component	
	Others	There are other description information in the standard, not seen currently, this term can be expanded
Update method	Manually update	
	Regularly updated	There are options of update everyday and update every Friday, this term can be expanded to custom mode.
Time zone control	Automatically adjust	Cooperate with TDT/TOT
Card restrictions	Need to be equipped with output card	We advised that each platform uses one EPG card (except purely EPG service platform)

Typical applications:

Right now, most satellite programs carries the EPG information in the transmission, and later program streams purchased in the digital television network also contain the EPG information. In this case with the EPG processing card and EMR3.0 integrated processing platform of Sumavision, operators can achieve analysis re-multiplexing of the EPG information, then send the EPG information to subordinate network with the transmitting station of program TS stream .

Its advantage is using directly to the EPG information of program provider so that

programme content can be consistent with EPG information to the greatest extent, and when program provider modify the program table, the operators can obtain the latest program information directly, without making any adjustments,.



Detailed parameters		
Application management	Automatically multiplex	The same configuration with the program multiplexing
Program amount	Same platform	Support the whole platform program.
Card restrictions	Need to be equipped with output card	One EPG card services the entire platform EPG multiplexing.