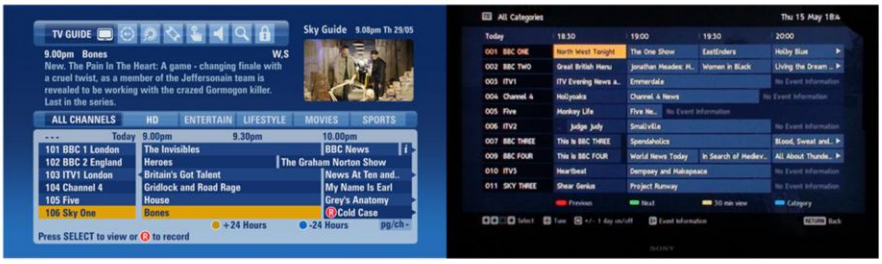
Software Series

Electronic Program Guide - ATSC (EPG-A)

HIGHLIGHTS

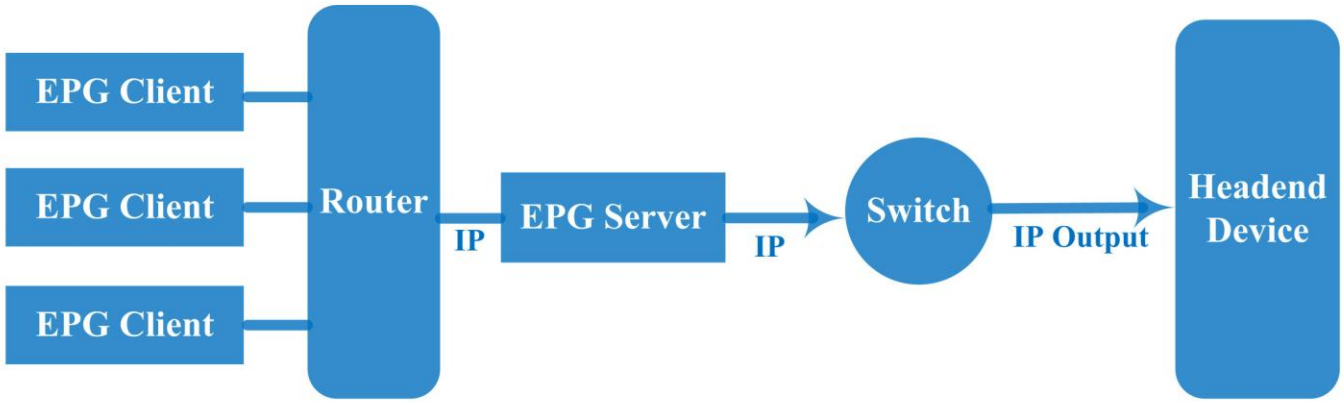
- IP Output Support
- Client/Service System mode
- Program schedule importing directly
- Maximum 2044 TS support
- Maximum 69905 Program Support
- Maximum 16 days EIT events support
- Friendly user interface
- Self-define events formats Support
- Base on ATSC Standard

EPG is an important application in the digital interactive TV. Like audio and video programs, it is a basic business, which is regarded as the symbol of digital TV. EPG provides rich colorful program forecasting information and convenient searching engine, through which subscribers could browse and search program information conveniently; meanwhile, they could also find much more program information, such as program brief introductions, actors' information and program fractions, etc.

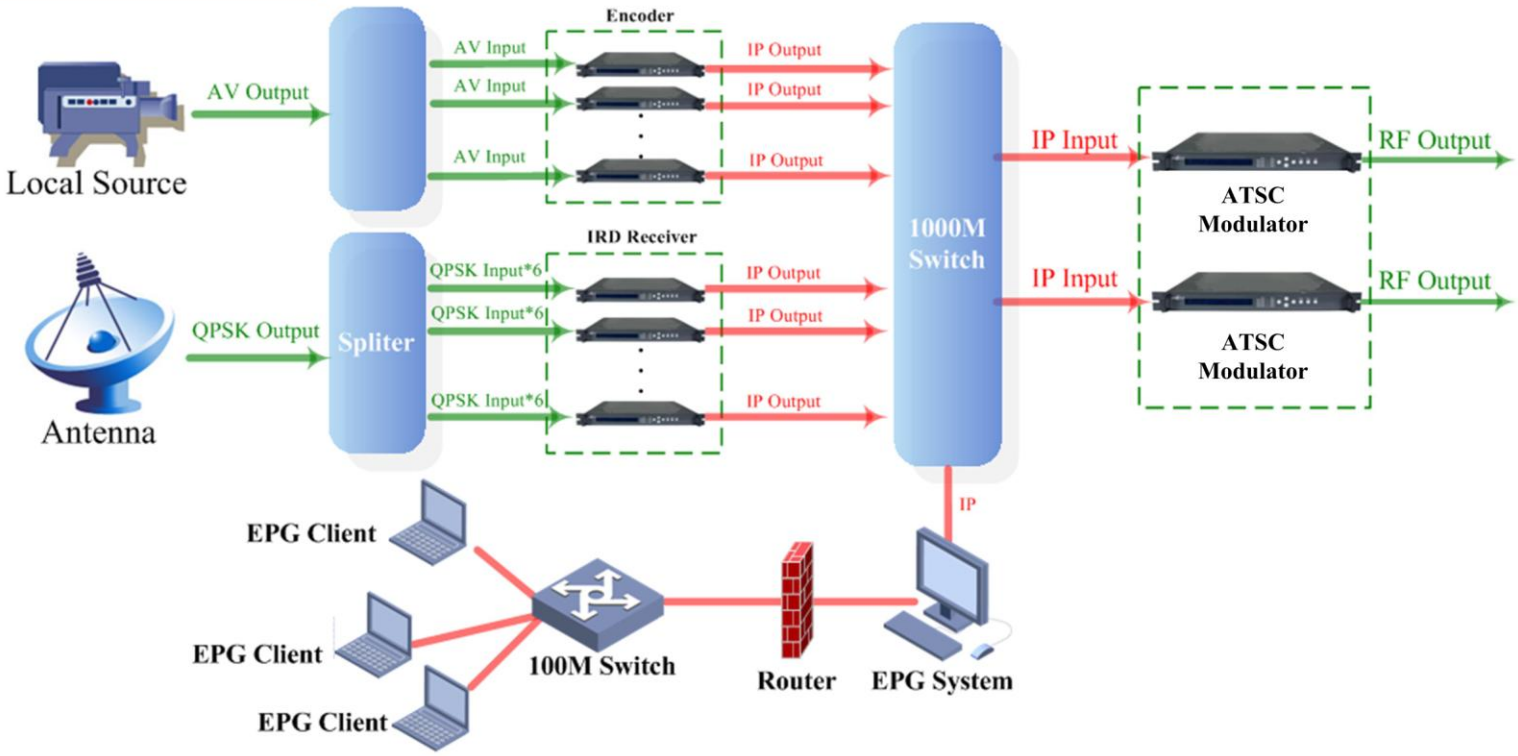


Dexin EPG is a fully-complying ATSC standard system for uniform distribution and collaboration of DTV broadcasting network resources. It supports PSI/SI standard tables, standard descriptors, private descriptors, private application data generation and scheduling for broadcasting.

Inner Principle



How To Use It



EPG Function Explain

Main Function

PAT	Program Association Table: STB searches programs with this table. PAT provides PIDs for STB to get PMT and NIT.
PMT	Program Mapping Table: The Program Specific Information table that supplies basic information about the services
EIT	Event Information Table: It contains info for events on defined virtual channels. STB can display the program event in next few hours or days by reading this table.
STT	System Time Table: It provides the current date and time of day info. The STB can display the system time by reading this table.
MGT	Master Guide Table: It lists version numbers, length in bytes, and PIDs for all of the PSIP tables with exception of the STT which works independently from other tables.
VCT	Virtual Channel Table: It contains a list of attributes for virtual channels carried in the Transport Stream.
RRT	Rating Region Table: It carries rating info for multiple geographical regions.

Specification

Hardware Requirement

EPG Server Configuration

CPU:	2.5GHz and above (recommended)
Memory:	4 GB and above
Hard disk:	the free space is 20 GB and above
Network card:	1GB Network Card 100M Network Card (optional)

EPG Client Configuration

CPU:	2.0GHz and above (recommended)
Memory:	2 GB and above
Hard disk:	the free space is 2 GB and above
Network card:	100M or 1GB Network Card

Software Requirement

Function Software:	EPG Software
Database:	SQL Server 2005, SQL Server 2008
Operation System:	Windows server 2003, windows server 2008 (recommended)

Function Software:	EPG Client Software
Operation System:	Windows XP (SP3 Above), Windows7 Windows Vista