

PSIGEN

SI/PSI & EPG Generator



Program Specific Information/System Information (PSI/SI) is essential part of DVB signal transmission to enable Set Top Boxes (STBs) at subscribers' homes to scan the Service / Program Specific information, obtain EPG information such as present and next events, view channel bouquets and run games/applications. PSIGen generates these information's in accordance with MPEG and DVB standards. PSI-Builder lets the operator fine tune these information based on the requirements to support the basic & advanced multiplexing system. PSIGen system generates all the mandatory SI/PSI tables, namely PAT,CAT, BAT, PMT, NIT, SDT EIT actual/other.

PSIGen supports importing EPG data from different sources like Files, FTP and metadata servers. The system supports different EPG files formats like SDF, XML, JSON and Excel. Customized descriptors can also be added to the system supporting all the future developments. The system sends the SI/PSI data to the multiplexer, creating a DVB-compliant digital television transport stream compliant with DVB digital television standards and audio compression standards. Thus, PSI-Builder can be used in almost any application where DVB Transport Streams and created.



FEATURES

- Multiple Transport stream PSI and SI Table Generation over IP interface
- DVB PSI/SI, EPG, DVB-T/T2, DVB-C, DVB-S/S2, DVB-SSU (OTA)
- **Multi-NIT support**
- Generates EIT pf - Event Information Table present/ following
- **Generates EIT Schedule for up to 64 days**
- Generates DVB standard and private, generic descriptors
- Generates all DVB-SI/PSI tables, EIT, EIT P/F, EIT Schedule for several days/weeks
- Supports Actual and Other tables
- ***Multilingual EPG Support**
- Automatic EPG schedule data import e.g. XML, SDF, Excel, JSON format
- Supports EPG import from FTP server and metadata server.
- **Configurable output table bandwidth**
- **HbbTV AIT table support**
- Supports transmitting multiple STB OTA files for STB Software Update
- **Landing Page configuration**
- Built for resilience and 24/7 operation
- Innovative, easy to use user interface - can be used without dedicated training
- Operates on Microsoft Windows 10 and Windows 2012/2016 Server

HARDWARE SPECIFICATION

High Availability

1 RU rackmount system
Dual HDD RAID-1 Configuration
450W High-efficiency Redundant Power Supply

Standard Availability

1 RU rackmount system
250 GB SATA 7200 HDD
260W High-efficiency Power Supply

TABLES GENERATED

DVB SI Tables

- NIT - Network Information Table
- SDT - Service Description Table
- EIT - Event Information Table
- EIT - Present/Following and schedule
- BAT - Bouquet Association Table
- Actual/other tables supported
- TDT/TOT—Timing Information

MPEG-2 PSI Tables

- PAT - Program Association Table
- PMT - Program Map Table
- CAT - Conditional access table



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