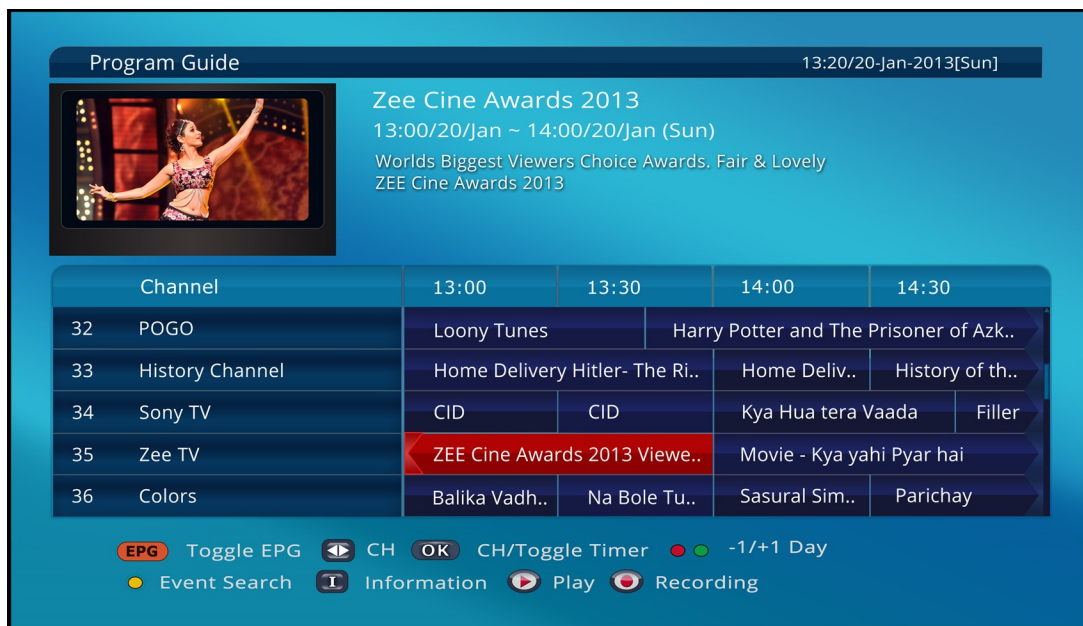


## PSI/SI Generator

Program Specific Information/System Information (PSI/SI) is essential part of DVB signal transmission to enable Set Top Boxes (STBs) at subscribers' homes to tune to different channels, obtain EPG information such as present and next events, view channel bouquets and run games/applications. PSIGen generates these information's in conformation with MPEG and DVB standards. PSIGen fine tunes this information for every operator to support even the simplest multiplexing system. PSIGen generates all the required tables, namely PAT,CAT, BAT, PMT, NIT, SDT EIT actual/other.

PSIGen can import EPG data from different file formats (SDF, XML, Excel etc). Local or customized data can be entered into the system as well. It 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, PSIGen can be used in almost any application where video and audio are being transported over ASI/IP.



## KEY FEATURES

- Multiple Transport stream table generation over ASI and IP interface
- Supports management of logical channel numbers
- Content Descriptor Support to define the type of content (comedy, talk show etc.)
- Parental Ratings for events
- Flexibility to add customized and private descriptors
- Generates all DVB-SI/PSI tables, EIT, EIT P/F, EIT Schedule for several days/weeks
- PID Filtering module to pass the PID from an incoming Input to the output.
- Supports Middleware
- An optional module to extract tables & descriptors from incoming feed and edit them as required.
- Independent of delivery network (cable, terrestrial, satellite, IP)
- Easy-to-use graphical user interface
- Mirrored ASI Output or IP Interface

## FEATURES

- PSI and SI Table Generation
- Static and Dynamic Table Injection carousel
- Insertion of DVB SI descriptors in compliance with ETS-300468 and PSI in compliance with MPEG-2 definition ISO/IEC 13818-1
- DVB T/T2, DVB-C, DVB-S/S2 Compliant
- Configurable table playout interval
- Generates DVB standard and private, generic descriptors
- Verifies and Maintains Table consistency and data integrity among the various DVB Tables
- Supports System Software Updates (DVB-SSU)
- Automatic EPG schedule data import e.g. XML / SDF format
- FTP schedule data upload
- Supports different redundancy models to meet highest resilience requirements

## 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

## SPECIFICATION

### PSI Server HA (High Availability)

1 RU rackmount system

Dual HDD RAID-1 Configuration

450W High-efficiency Redundant Power Supply

### PSI Server SA (Standard Availability)

1 RU rackmount system

250 GB SATA 7200 HDD

260W High-efficiency Power Supply



### Rudraksha Technology Private Limited

B-401, Sai Sangam, Sector-15, CBD Belapur, Navi Mumbai, India 400614

www.rtpl.co.in • Phone +91 22 6712 2797 • Fax +91 22 6712 2796

Support and Services • support@rtpl.co.in

Sales • sales@rtpl.co.in