Automatic Bandwidth Management, Multi-Route Capabilities

By automatically calculating the incoming SI data from the different inputs and the prioritization of the SI tables, the Jade server provides superior automatic bandwidth management by reducing, when necessary, the EPG depth and SI-tables scheduling with respect to your bandwidth requirements. It also simultaneously addresses several multiplexers through its multi-route capability. As a standard function, the Jade server provides SI cross-carriage features.

Broadband EPG

The Jade server enables video-over-IP/ADSL providers to create HTML program guides to let subscribers choose and access their favorite programs directly. It also enables traditional broadcasters to automatically display their program grids, with real-time thumbnail extraction, on their Web sites.

Comprehensive Configuration and Supervision

A comprehensive and intuitive Web interface is available to supervise and configure the Jade server. Using it, you can review any actions, alarms, or warnings. An SNMP agent is available for centralized monitoring.

key features

- Easy interfacing with program guide content providers
- Real-time EPG updates
- Automatic synchronization of EPGs with video content
- Automatic bandwidth management
- Customizable to fit dedicated applications
- Flexible and scalable hardware/software architecture
- DVB-SI editor
- Superior management of PSI tables including EIT P/F and schedule
- XML-enabled to facilitate connectivity
- Files and live inputs
- User-rights management
- Ethernet and/or ASI output capabilities
- User-friendly graphical user interface (Web/HTML) for easy configuration and supervision
**Specifications**

**EPG-Related Features**
- DVB-SI (ETS 300 468) standard compliant
- DVB-S editor
- SI tables support (BAT, NIT, SDT, TDT, TOT, EIT P/F, and Schedule)
- Services translation
- Automatic bandwidth management
- SI tables modification and filtering
- EIT P/F transition using a trigger interface or the server clock
- Multi-route capability
- Multi-language support
- Barker channel support
- User-rights management
- NTP client
- SNMP agent
- Web configuration and supervision

**Inputs**
- Binary files
- XML files
- FTP file transfer
- Periodic file transfer
- IP link with SI extractor (extraction of EIT tables)
- Live ASI input for SI data extraction

**Outputs**
- XML files
- ASI output interface
- Ethernet output to Amber multiplexer

**Physical Characteristics**
- 1 RU x 19”, weight: 12 kg
- 2 RU x 19”, weight: 20 kg
- 100-240V, 50-60 Hz power supply
- Operational temperature: 10-35 °C
- Operating humidity: 10–90 % relative humidity, non-condensing

**Environmental Conditions**

**Ordering Information**

- **TNM-5648-EL**
  - 1 RU – IP streaming output/Ethernet link to Amber – up to 100 kb/s of SI data

- **TNM-5649-EL**
  - 1 RU – ASI output – up to 100 kb/s of SI

- **TNM-5630**
  - Jade EPG server for SmartVision ™ TV

- **TNM-5640**
  - 1 RU – IP streaming output/Ethernet link to Amber – up to 500 kb/s of SI data

- **TNM-5641**
  - 1 RU – IP streaming output – up to 1 Mb/s of SI data

- **TNM-5642**
  - 1 RU – ASI output – up to 4 Mb/s of SI data

- **TNM-5643**
  - 2 RU – ASI output – up to 10 Mb/s of SI data

**Support Services & Training**

The Grass Valley Support Services & Training team delivers complete service solutions that enhance your return on Grass Valley products and global systems solutions. Advanced training and proactive support, by reducing down time, keeps your equipment and staff performing at optimum productivity and quality.

Our pre-packaged suite of SupportPRO Services provides support through the whole process:
- StartPRO Commissioning Support
- Factory, On-Site and Web Training Classes
- TechPRO On-Site and Comprehensive Software and Hardware Support
- ServicePRO Comprehensive Software and Hardware Support
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- Critical Spares Kits for Most Products

For specific requests, our worldwide experienced Support Services & Training experts can build and assist you with customized solutions.

For more information contact your authorized Grass Valley representative or visit us online at www.thomsongrassvalley.com/support.

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**Environmental Conditions**

**Headquarters**

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