consulting

ITV

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development

TRILOGIC

B2Stream

White paper

Description

B2Stream is a compact DVB data server and multiplexer. It performs a complete DVB transport stream by multiplexing in real-time various entries such as transport stream, iTV private data, video and audio ES, PSI/SI tables.

Remote management and monitoring

B2Stream is built upon an efficient XML client/server architecture.
Remote management allows multiple users to interact with their own configuration depending on their rights. Each user controls the output transport stream by choosing between several views (pie chart, bar chart, graph).

Open software architecture

Thanks to its C++ hierarchical classes architecture, B2Stream is ready to be customized to suite special customer needs at low cost. XML description is also available to build a dedicated human interface.

Features

- Real-time broadcasting iTV applications (OpenTV^{TM}, MediaHighway^{TM})
- Audio/Video playout
- Easy management of PSI/SI (PAT, PMT, NIT, SDT, TDT, EIT)
- Processing stream (PID remapping, PID filtering…)
- Synchronisation between interactive service and video program (for example, controlled by a 3rd party automation)
- Real-time updating data (coming from socket network)
- Remultiplexing live input

WEB graphical interface

A complete graphical interface is provided through a WEB server to be reached by any web browser. Intuitive graphical items lets manage and control easily all tasks performed by the server.

Specifications

- DVB ASI output interface up to 50 Mbits
- DVB ASI input interface up to 50 Mbits
- 100 base TX Ethernet interface for management
- 100 base TX Ethernet interface for data
- Broadcast up to 50 iTV services simultaneously
- Works under Windows^{TM} OS

Applications

- Interactive TV broadcasting
- Internal broadcast network for iTV developers who want to validate their applications on commercial IRD.
- EIT generator
- DVB stream processing for custom projects