



Packet Ship *Timeline* IPTV Recorder

- Continuous recording of multiple IPTV channels
- Capture of retrospective and forward EPG data
- Access to recording programmes by channel & time
- Timeshift & pause/rewind live TV
- EPG query engine for UI generation

The Packet Ship Timeline IPTV Recorder provides continuous loop recording of multiple broadcast IPTV channels and their associated EPG data. It then makes the recordings available to the Streamline video server and the programme data available to user interface Web pages, providing a retrospective EPG service for catch-up TV services.

The Timeline IPTV Recorder also indexes the recorded content in real time, so that video server can join the recorded stream at the live position and pause, rewind and fast-forward with full visual trick mode.

Timeline can be configured to record different lengths of continuous loop for different channels, and also only at certain times of day, in order to optimise disk usage and satisfy rights requirements.

The Timeline IPTV Recorder also continuously records both "now and next" and forward programme event data, providing the basis for both retrospective and forward EPGs. This data is cached in memory and can be queried by a SOAP/HTTP service either from Web server scripts (e.g. PHP, Java) or directly from client Javascript for maximum scalability.

Markets

Consumer
Hospitality
Healthcare
Education
Corporate

Applications

Catch-up TV
Pause live TV
Rewind / Start over
Retrospective EPG
Forward EPG

Technologies

Multicast IPTV
MPEG-2 TS
DVB EIT/SDT
SOAP/HTTP

Technical Data

Platform	Linux (any distribution, 2.6 kernel)
Input format	MPEG-2 SPTS in multicast UDP
EPG format	DVB EIT/SDT
Storage requirements	Approximately 2.5GB/channel/hour (UK DVB-T BBC-A)
Integration points	SOAP/HTTP EPG queries / capture management

Timeline

