

Sun Media Appliance Platform



TV Developer Configurations

Key feature highlights

- 10 streams of DVB ASI multiplexed output
- GUI application for ingest and playout
- Option for DVB ASI input
- Pre-installed hardware and software
- Downstream compatibility with standard head ends for cable, satellite, and terrestrial
- Reference code for Java™ Stream Assembly API

VideoPropulsion

VDOPro interface cards provide DVB ASI compliant input and output connections to standard head end infrastructure. The VPiTV application supports the input of ASI streams for playout or storage, the setting up and scheduling of video assets, and the playout of stored assets, including features for looping clips for continuous play.

Strategy & Technology

TSDeveloper provides a multi-user development environment allowing application authors of DVB MHP or MHEG content to test services on real STBs (set-top boxes) through VPI's ASI connections.

Kasenna MediaBase Development Kit for Sun Microsystems TV Services Developers

Including a full release version of MediaBase XMP, the MediaBase Development Kit is the ideal solution for application developers interested in building VOD into their solutions. With access to a comprehensive set of API's that include integration with Web services through a SOAP/XML interface for easy integration, MediaBase XMP is a powerful software platform for developing VOD applications available in the market today.



The Sun Media Appliance Platform TV Developer Station is an open systems platform with pre-tested, pre-configured hardware and software designed to enable the rapid development of server-based applications and services for interactive TV, video on demand, and video networking.

This value-priced workstation provides a rich environment for the development of TV services, including software tools for creating applications and content for DVB and DVB MHP delivery. These configurations have been tailored for laboratory and demonstration use.

SunBlade™ 100 Workstation	VideoPropulsion VDOPro	Strategy & Technology
500 MHz UltraSPARC-IIe Processor	DVB ASI Multiplexing	TS Developer Trial Version for DVB MHP and OCAP
512 MB RAM	50 Mb/sec Output	
2 x 20 GB EIDE Hard Disk	Optional DVB ASI Input	
Solaris 8 Operating Environment	VPiTV Player Application	Java Stream Assembly API and Reference Code
Keyboard and Mouse	Java-Based GUI	



The Sun Media Appliance Platform is a set of channel-ready configurations of Sun systems and iForce™ partner solutions based on multi-vendor, open interfaces for the delivery of interactive, on-demand and video services over digital television infrastructures.

Ready-to-Use, Scalable Solutions

Composed of best-of-breed hardware and powerful software solutions, these ready-to-use appliance configurations provide a value-priced, scalable foundation that will allow network operators, content providers, and network equipment providers (NEPs) to rapidly build and deploy TV services based on multi-vendor, open interfaces.

Java™ Stream Assembly APIs

The Java Stream Assembly APIs, available on all configurations of the Sun Media Appliance Platform, provide a virtualization interface to the media stream, making it easy for application developers to control hardware and software stream components through StreamSources, StreamSinks, and StreamProcessors without needing to know the implementation particulars of the components themselves.

With the Java Stream Assembly APIs, application developers can easily:

- Discover and configure multiplexes
- Assemble streams, start/stop, or add/drop
- Handle MPEG-2 TS and IP protocol streams
- Modify tables and stream events

Configurations Across the TV Services Lifecycle

The Sun Media Appliance Platform provides solutions across the entire spectrum of development and deployment of TV services. All three configurations — developer, broadcast, and media-on-demand — share common application interfaces, enabling developers to build and deploy solutions with increased scalability. These configurations combine open interfaces with the proven Sun StorEdge™, Sun Blade™, and Netra™ systems.

Configurations of the Sun Media Appliance Platform include:

- **Developer** — Value-priced workstation configuration for the development of TV services, including real-time assembly of multiplexed broadcast streams to an ASI output interface.
- **Broadcast Server** — Rack-mounted, service-ready, broadcast server system.
- **Media-on-Demand** — Media-edge server and networked storage for high stream count, on-demand delivery environments.

Get the details.
 For more information about TV services solutions, please visit www.sun.com/tvservices

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