Sun Media Appliance Platform

Broadcast Configurations

Key feature highlights

- Pre-installed hardware and software
- Downstream compatibility with standard head ends for cable, satellite, and terrestrial
- Reference code for Java™ Stream Assembly API
- GUI application for testing ingest and playout connections
- Solaris 8 Operating Environment

Insertion Player

- Sun Fire V120 server, 550 MHz, 512 MB, 1 x 36 GB Ultra SCSI hard disk
- VPI VDOPro DVB ASI transmit card, 50 Mb/sec of multiplexed single output
- VPiTV Player GUI Test Application for ingest and playout
- Option for DVB ASI 50 Mb/sec single stream input

Media Player

- Sun Fire V120 server, 550 MHz, 2 GB, 2 x 36 GB Ultra SCSI hard disk
- VPI VDOPro DVB ASI transmit card, 200 Mb/sec of multiplexed single output
- VPiTV Player GUI Test Application for ingest and playout
- Option for DVB ASI 200 Mb/sec single stream input

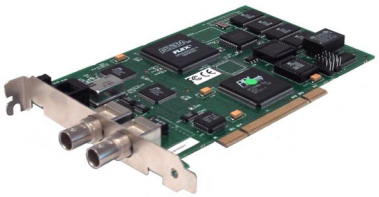
Media Switch

- Sun Fire V120 server, 650 MHz, 4 GB, 2 x 36 GB Ultra SCSI hard disk
- VPI Deluge D2 DVB ASI VDOPump appliance, 400 Mb/sec of multiplexed dual output
- VPiTV VDOPump Player application layer for stream management
- GigE connection to external storage or network

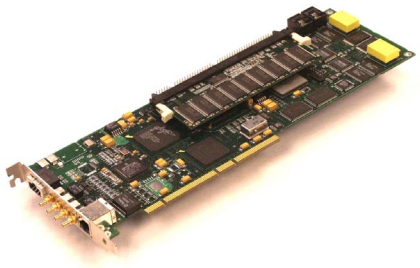
TV Services
Building Multiservice Television

The Sun Media Appliance Platform broadcast servers are open systems platforms with pre-tested, pre-configured hardware and software designed to enable the rapid deployment of server-based applications and services for interactive TV, video on demand, and video networking.

These value-priced offerings provide a standardized platform for configuring a variety of TV services, including data insertion, content conditioning, media switching, broadcast playout, and others. The systems have been tailored as a base for running applications on-line in production environments.



VPI VDOPro DVB ASI Transceive



VPI Deluge VDOPump

Sun Fire™ V120 Server

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

Sun Microsystems, Inc. 4150 Network Circle, Santa Clara, CA 95054 USA **Phone** 800 786-7638 or +1 512 434-1577 **Web** sun.com

Sun microsystems
We make the net work.

Sun Worldwide Sales Offices: Africa (North, West and Central) +33-13-067-4680, Argentina +5411-4317-5600, Australia +61-2-9844-5000, Austria +43-1-60563-0, Belgium +32-2-704-8000, Brazil +55-11-5187-2100, Canada +905-477-6745, Chile +56-2-3724500, Colombia +571-629-2323, Commonwealth of Independent States +7-502-935-8411, Czech Republic +420-2-3300-9311, Denmark +45 4556 5000, Egypt +202-570-9442, Estonia +372-6-308-900, Finland +358-9-525-561, France +33-134-03-00-00, Germany +49-89-46008-0, Greece +30-1-618-8111, Hungary +36-1-489-8900, Iceland +354-563-3010, India–Bangalore +91-80-2298989/2295454; New Delhi +91-11-6106000; Mumbai +91-22-697-8111, Ireland +353-1-8055-666, Israel +972-9-9710500, Italy +39-02-641511, Japan +81-3-5717-5000, Kazakhstan +7-3272-466774, Korea +822-2193-5114, Latvia +371-750-3700, Lithuania +370-729-8468, Luxembourg +352-49 11 33 1, Malaysia +603-21161888, Mexico +52-5-258-6100, The Netherlands +00-31-33-45-15-000, New Zealand–Auckland +64-9-976-6800; Wellington +64-4-462-0780, Norway +47 23 36 96 00, People's Republic of China–Beijing +86-10-6803-5588; Chengdu +86-28-619-9333; Guangzhou +86-20-8755-5900; Shanghai +86-21-6466-1228; Hong Kong +852-2202-6688, Poland +48-22-8747800, Portugal +351-21-4134000, Russia +7-502-935-8411, Singapore +65-6438-1888, Slovak Republic +421-2-4342-94-85, South Africa +27 11 256-6300, Spain +34-91-596-9900, Sweden +46-8-631-10-00, Switzerland–German 41-1-908-90-00; French 41-22-999-0444, Taiwan +886-2-8732-9933, Thailand +662-344-6888, Turkey +90-212-335-22-00, United Arab Emirates +9714-3366333, United Kingdom +44-1-276-20444, United States +1-800-555-9SUN or +1-650-960-1300, Venezuela +58-2-905-3800