videofurnace

# Converging Video to the IP Network

## Utilizing Your IP Network to Extend Content to A New Set of Screens!

Video Furnace System 4 offers an end-to-end software solution built upon the MPEG standard that utilizes your private high speed IP network to deliver TV-quality full-motion live and preencoded content to the desktops and set top box connected televisions at your campus.

Imagine your students viewing curriculum materials from the privacy of their dorm room or a teacher on campus lecturing to another campus in a different part of the world. Imagine the ability to easily digitize your own content, create your own channels and schedule your showings with just a few clicks of a mouse button.

### Extend Your Video to the Desktop

- Live events
- Premium content
- Remote Seating
- Localized content
- Campus events
- Student content

### The Benefits are Clear

- Live and on demand content
- Requires no desktop client software
- Delivers your content/curriculum to all connected authorized users
- Maximizes your network
- Provides reliability and security
- Bi-directional reporting mechanisms
- Scaleable and Upgradeable
- It Just Works!!!


### Increase Distribution

With System 4, you now have the ability to extend your program offerings to campus wide connected PCs and IP based set top boxes.

### Extends the Reach of Content

System 4 enables you to deliver television quality video beyond the COAX and directly to desktops. This enables the campus to provide video to desktops and the television simultaneously on one network.

### Never manually upgrade player software again!

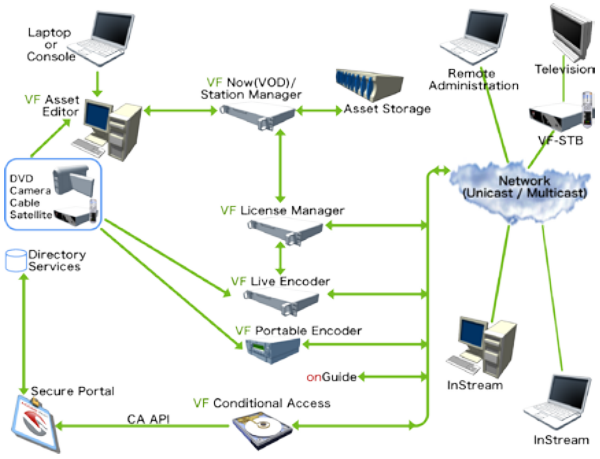
Video Furnace's unique InStream viewer is delivered with each viewing and only resides in memory so there is never a need to install or upgrade the player application. It supports Windows, Mac OS/X, Linux, Solaris 10 and Set Top Box.

### Reliable and Secure

System 4 provides a reliable and secure avenue for delivery of programming to high speed connected desktops. Department of Defense "trusted" operating system and encryption system.

**Technical Overview**

Content is encoded in real-time. Output streams are fully MPEG-1 MPEG-2 and MPEG-4 compliant at bit rates from 300 Kbps to 12 Mbps. With an optional encryption module (AES compliant), you are assured that sensitive content is protected.




**The System 4 solution offers the following features:**

- Real-time MPEG-1/2/4 encoding
- Multiple channel lineup support
- Asset management system
- Digitized data can be multicast immediately, and/or stored with "meta-data" for future scheduling or "ondemand"
- Ability to add bookmarks to your videos
- Complete search capabilities
- Full conditional access and license management system
- Full scheduling system to create your own lineups for your own stations.
- For instant demand, a solution that makes your assets available anytime
- Electronic Program Guide integrated with the viewer
- Closed-Captioning
- Messaging Broadcast system
- Remote administration
- Video editing clipping merging subsystem
- Simultaneous desktop broadcasting
- No desktop client required
- Simulcast desktop presentations with video
- Remote control of all clients and Set Top Boxes

The Video Furnace "thin-client" viewer is delivered to the desktop from the server. The client disappears after the user ends their session. This patent pending approach eliminates desktop application versioning and minimizes maintenance and IT desktop support overhead.


**Server Specifications:**

Live Video Platform— 1U rack server
Encoding Rate—300 Kbps to 12 Mbps
Resolution Scaleable – QSIF to D1
Standards Compliant—MPEG-1/2/4
Protocol—UDP, TCP, HTTP/S
Multicast Compliant

**Viewer Specifications:**

Computer Platforms—Windows 98 or higher; Mac OS/X, Linux and Solaris 10. No desktop installation required.
Video Furnace Set Top Box or other compliant Set Top Box.

**Video Furnace, Inc.**

**Headquarters**
14052 Petronella Drive,
Suite 202,
Libertyville, IL 60048, USA
**Phone** 1.847.362.6800 **Fax** 1.847.362.6866

**Western Region Office**
828 West Hillcrest Blvd.
Inglewood, CA 90301 USA
**Phone** 1.310.593.4500

**info@videofurnace.com**