

## VBrick Portal Server

On-Demand Video Communication



## Portal Server Widens the Reach of Visual Communications

A component of VBrick's Media Control Server Suite, the Portal Server is a web-based portal for accessing Live and On-Demand audio and video files. A key component of VBrick's Award Winning EtherneTV Media Distribution System, the Portal Server provides a simple interface to easily locate available media assets on Windows PCs, Macs, Linux PCs, and Set Top Boxes. The Portal Server provides clean and simple interfaces to users with familiar DVD-like controls. With the push of a button, anyone can view video.

The Portal Server significantly reduces administrative time by eliminating the need to manually update web pages. New videos automatically display via the interface when they are available for viewing. Access Control functionality allows only certain videos to be viewed by certain users. Recording functionality allows videos to be recorded and automatically transferred to a Video on Demand server for immediate viewing.\*

The Portal Server software is tightly integrated with the Scheduler and the Network Video Recorder (NVR) software to create a powerful video distribution system. For those customers that only want to distribute live video on their networks, VBrick has an entry level product called Live Portal Server which is easily upgraded to the full version.

### Applications

- **Distribute Live Television Channels** — provide breaking news, events and information on PCs
- **Training** — record live training sessions and make them available to employees or students
- **Digital Archiving** — encode VCR tapes as digital files to build a digital media assets library
- **Media Retrieval** — access previously recorded classroom lectures, training videos, corporate announcements and military footage

### Product Features

#### Key end-user features

- **Simple user interface** for live and on demand\* video
- **Supports multiple video formats** - Windows Media, MPEG-1, 2, and 4
- **Full screen video** (up to DVD quality)
- **Preview video** in a web page or launch a resizable external player
- **Search and record\*** videos
- **Upload video and thumbnails** to Video on Demand servers
- **Info Button** which provides customizable and searchable information and can link to documents and URLs
- **Closed captioning** for MPEG-1, MPEG-2, and MPEG-4

#### Key administrative features

- **Access control** — Allows certain videos to be viewed, published, or recorded by certain users
- **Single Sign On** — Access Control can be accomplished without users having to enter a User Name or Password
- **Clustering support** — Allows for multiple VoD servers to increase total throughput
- **SSL/TLS Security** — Allows MCS web pages to be encrypted for security purposes
- **Provide Access to Additional URLs** — supports links to additional URLs other than those generated automatically (such as from a hosting provider)
- **Assign Channels** to live streams

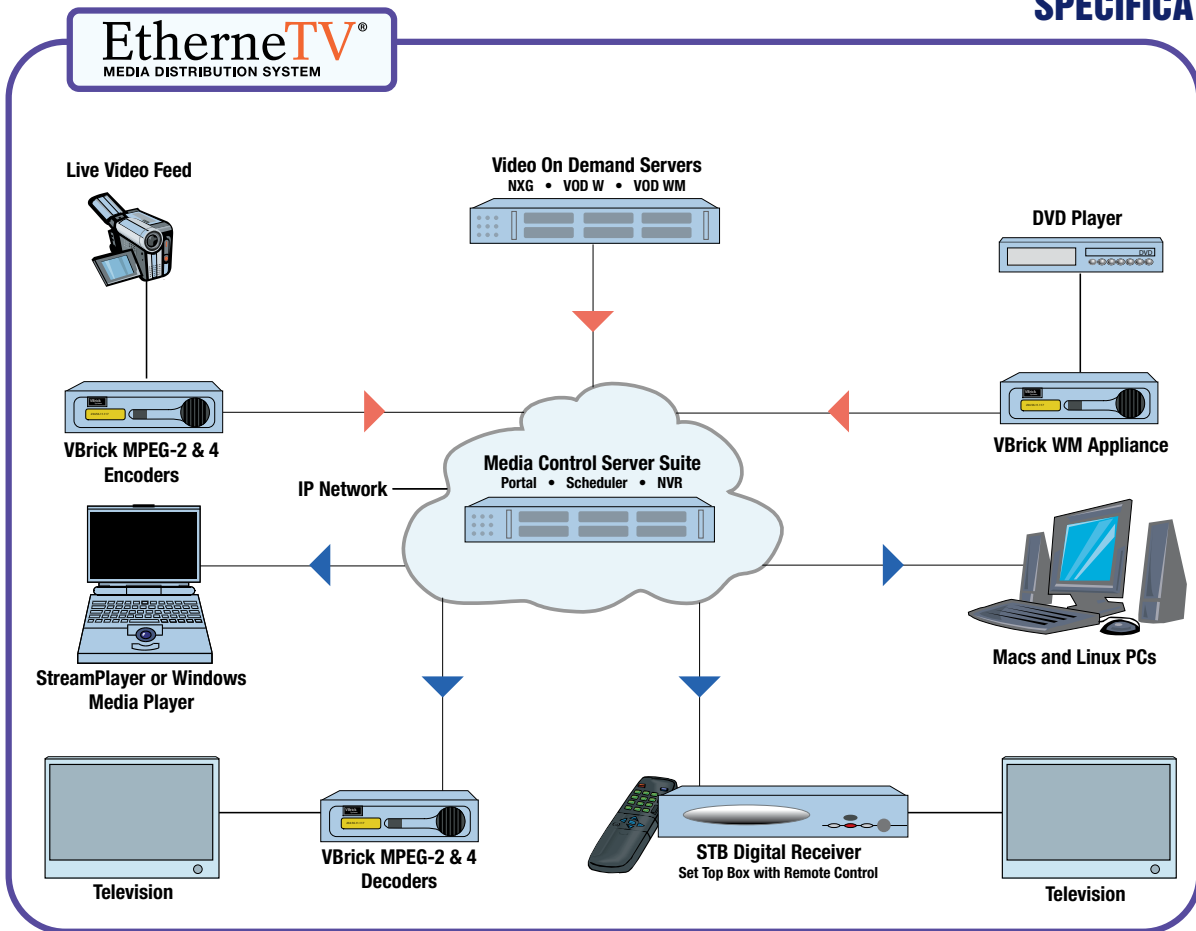
### Target Markets

- Education
- Corporate
- Health Care
- Government
- Military
- Intelligent Transportation Systems
- Entertainment

### Benefits and Advantages

- **Ubiquitous Access** - Allows access from Windows PCs, Macs, Linux PCs, and Set Top Boxes. Common interface for all platforms
- **Real Time Performance** - Low delay VBrick encoders allow video to be viewed in real time
- **Reliability** - Once setup, the EtherneTV system provides 5 Nines reliability to users
- **Network Citizenship** - VBrick encoders and Video on Demand servers provide zero performance impact to the network
- **Live and Stored** - Provides full capabilities to distribute and schedule live and stored video
- **Operational Control** - Provides administrators the ability to quickly and easily setup the system, and control access, with little ongoing maintenance
- **Secured Access** - Provides a sophisticated Access Control mechanism to control who has access to resource scheduling and recording
- **User Simplicity** - Provides an intuitive interface that simplifies the search, viewing, and scheduling of live and stored video

\*Not available on Live Portal Server



## Interoperability

- VBrick VOD WM, VOD W, and NXG Video on Demand servers
- VBrick STB Digital Receiver for MPEG-1, 2, and 4
- Windows-based PCs with StreamPlayer or StreamPlayer Plus
- Macintosh computers with QuickTime and StreamPlayer for Mac
- Linux PCs with StreamPlayer for Linux
- VBrick 4000-6000 Series MPEG-2, MPEG-4 and Windows Media Network Video Appliances

## Client PC Requirements (Windows)

- Windows 98/2000/XP
- Microsoft Internet Explorer 6.0 or higher
- StreamPlayer software automatically downloaded from the Portal Server (please see StreamPlayer datasheet for detailed requirements)

## Client PC Requirements (Mac)

- Mac OS X with Safari 1.0 (or higher) or FireFox for Mac 1.0.4 or higher
- QuickTime Player 6.0 or higher for MPEG-4
- StreamPlayer for Mac for MPEG-1 and MPEG-2

## Client PC Requirements (Linux)

- StreamPlayer for Linux for MPEG-1 and MPEG-2
- MPEG-4 not currently supported
- Please see product documentation for detailed support

## System Requirements

- Windows 2000 Server or Windows 2003 Server Web Edition\*
- Pentium IV or Xeon Processor 1.26 GHz minimum
- RAM 512 MB minimum
- Hard Drive 36 GB minimum (larger for frequent recording)

\* VBrick does not support the desktop versions of the Windows operating systems