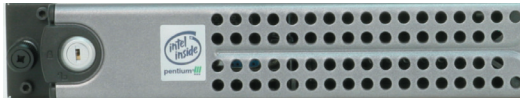## EtherneTV-NXG Family

Video-On-Demand Widens the Reach of Visual Communications

Rich media distribution of your stored assets is now easy and affordable. VBrick's EtherneTV-NXG family of robust video-on-demand servers and award-winning MPEG encoders offer a tightly integrated solution for a variety of live stream distribution and stored file playback applications. Imagine live television and stored DVD quality videos delivered right to the desktop over your existing Ethernet network. Schedule events such as the re-transmission of classroom lectures or corporate addresses. Enjoy on-demand control such as FF, REW, PAUSE and PLAY for all your pre-recorded assets. Keyword searching for your favorite titles makes planning coursework and presentations a breeze. These are all standard features on both the EtherneTV-NXG1 and EtherneTV-NXG2 VOD servers. EtherneTV-MCS required and purchased separately.

Applications

- **Training** — record live training sessions and make them available to employees or students for future playback
- **Digital Archiving** — encode VCR tapes as MPEG files to build a digital media assets library
- **Media Retrieval** — access previously recorded classroom lectures, training videos, corporate announcements and military footage
- **Retail Advertising** — stream the latest product information to TV monitors and PC desktops

EtherneTV-NXG Product Features

- **Rich media distribution** to desktop PCs
- **Central repository for stored MPEG assets**
- **System monitoring** provides usage information
- Supported formats include **MPEG-1** (system), **MPEG-2** (transport) and **MPEG-4** (ISMA)
- **Full VCR-like controls** with stop, pause, play, fast forward, rewind and seek (slide bar)
- **Live MPEG-1 and MPEG-2** capture/ingest utility

EtherneTV-MCS Product Features

- Provides **common user interface** for live and stored videos
- **Automatic download** of necessary components (eliminates manual installation)
- **Single desktop player** for both live and stored
- **Windows Media Player** and Apple QuickTime support
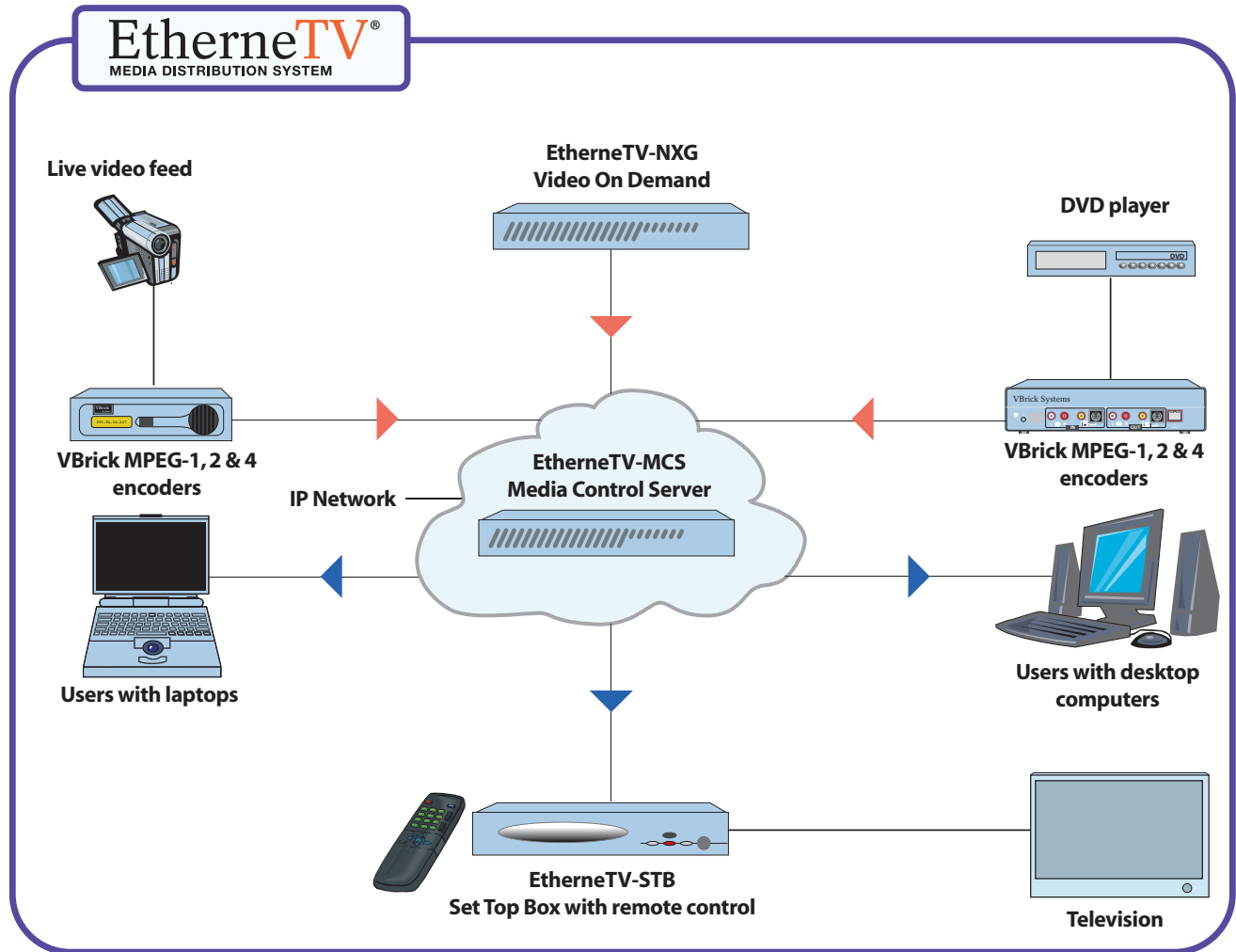- **Optional STB support** provides digital TV receiver for IP based networks

Target Markets

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

Benefits and Advantages

- EtherneTV-NXG1 is an entry level server **designed for small to medium** sized applications
- EtherneTV-NXG2 is a higher output server **designed for medium to large installations** which require greater throughput and redundancy
- **DELL platform** is best-in-class
- All storage is based on **hot-swappable high-speed** 10K RPM SCSI drives
- **External SCSI channels** allow for future storage expansion
- **Extended** hardware/software warranty

EtherneTV®
MEDIA DISTRIBUTION SYSTEM

Live video feed

**EtherneTV-NXG
Video On Demand**

DVD player

**VBrick MPEG-1, 2 & 4
encoders**

IP Network

**EtherneTV-MCS
Media Control Server**

**VBrick MPEG-1, 2 & 4
encoders**

Users with laptops

**Users with desktop
computers**

**EtherneTV-STB
Set Top Box with remote control**

Television

Interoperability

- VBrick **EtherneTV-MCS** Media Control Server
- VBrick **EtherneTV-STB** Set Top Box for MPEG-1, 2, and 4
- **VBrick 1000, 2000, and 3000 series** MPEG-1 encoders
- **VBrick 4000, 5000, and 6000 series** MPEG-2 and MPEG-4 encoders
- VBrick **StreamPlayer** live stream decoding

Specifications

VOD Server	NXG1	NXG2
Throughput	90MBps	250MBps
OS Drive	36GB	146GB
SCSI Storage	292GB	584GB
RAID	SW RAID 0	HW RAID 5
External SCSI	1 channel	4 channel
CPU	2.4GHz Xeon	Dual 2.4GHz Xeon
Memory	1GB DRAM	2GB DRAM
Chassis	1RU	2RU
Network (Ethernet)	(2) 10/100/1000BT	(3) 10/100/1000BT
OS	Redhat Linux	Redhat Linux
Dimensions	1.67"h x 17.6"w x 27"d	3.37"h x 19"w x 27.5"d
Weight	35 lbs.	55 lbs.
Power Supplies	Single 325W	Dual 500W, redundant
CD-ROM	24x	24x
Floppy Drive	Single	Single

NXG
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