

Network Video Solutions

VBrick Solution Set Provides Custom IP Video Capabilities

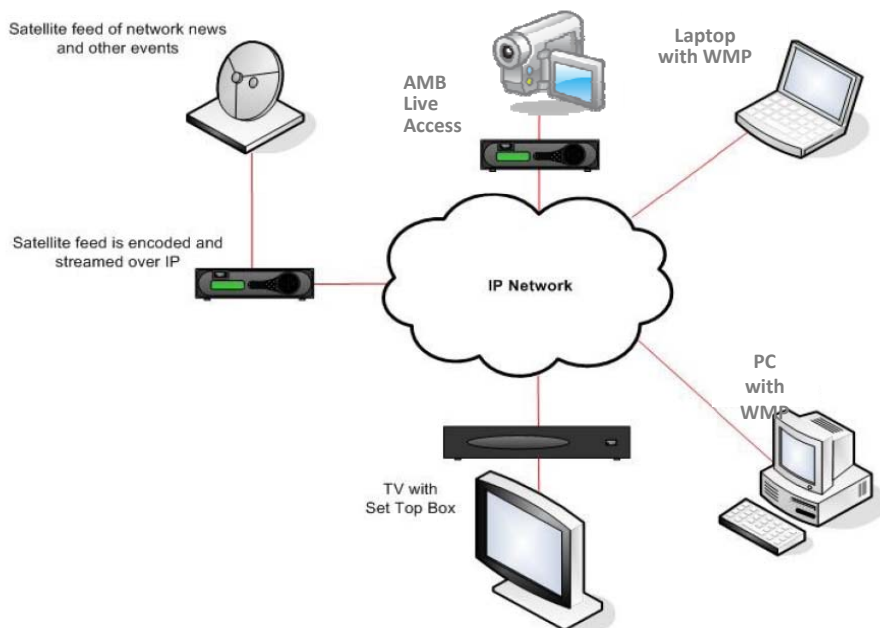
Deliver Live News to PCs over IP Networks

VBrick's products are ideal for distributing audio and video over IP networks to PCs and TVs. The VBrick appliance, a component of LTI DataComm's network video solution, can deliver DVD quality audio and video to hundreds of users over a standard switched Ethernet network. The video can be viewed full screen or can be adjusted to any size so that personnel can continue to use PC applications while watching important news. In addition, the video can be recorded to a PC hard drive for storage and viewing on-demand.

Starter Kit

VB CUSTOM-CONFIG-BK4: Dual channel encoder, Windows Media appliance with composite and S-Video inputs, and hard drive. Distributes audio and video over IP networks to PCs using IP multicasting. Two units provide the ability to stream up to four channels.

Windows Media Player: Standard build in Microsoft Windows environment, serves as the player application on PCs.



Solution Overview



Problem:

TVs (analog signals) in secured access areas

Solution:

VBrick Network Appliances streaming your choice of news media securely over your IP network eliminating the need for TVs in these areas.

Added Benefits:

This system can be used to provide **broadcasts** and RSO video **surveillance** feeds over your closed IP network.

Additional Capabilities:

- BNET rebroadcast and local storage
- PAO public broadcast/podcasts
- Emergency broadcast messaging

Solution Overview



Key Differentiators

Appliance Design: Purposely engineered for delivering video over networks.

High Quality: Full motion 25/30 (PAL/NTSC) frames per second high quality video.

Ease of Use: Install and configure a VBrick in minutes with just a few cables to connect and settings to select.

Reliability: VBrick devices offer proven reliability and ruggedness.

Key Benefits

Reduced Costs: Train and educate personnel remotely.

Distribute Information: Stream up-to-date news and information directly to PCs.

Enhanced Security: Observe critical areas through high quality video surveillance.

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Technology

VBrick has developed standards-based technology, techniques, and products that deliver very high quality audio and video, as well as conventional data, over networks. VBrick's highly scalable products and solutions effectively combine the latest video compression technology with state-of-the-art networking. VBrick enables one-way or two-way video transmission, live or on-demand over Ethernet (IP), ATM, T1/E1, DSL, satellite, and/or wireless networks.

MPEG-2 Models

- Single Channel MPEG-2 encoder (9110-4200)
- Single Channel MPEG-2 decoder (9110-5200)
- Dual Channel MPEG-2 encoder (9110-4300)
- Dual Channel MPEG-2 decoder (9110-5300)
- Dual Channel MPEG-2/4 encoder (9130-4300)
- Dual Channel MPEG-2 decoder/MPEG-4 encoder for transcoding (9130-6200)
- MPEG-2 encoder/decoder (9110-6200)
- Dual Channel MPEG-2/MPEG-4 decoder (9130-5300)

NTSC Resolution	PAL-M	PAL
Full D1	Full D1	Full D1
2/3 D1	2/3 D1	2/3 D1
½ D1	½ D1	½ D1
352x240	352x240	352x240

MPEG-4 Models

- Single Channel MPEG-4 encoder (9140-4200)
- Single Channel MPEG-4 decoder (9140-5200)
- Dual Channel MPEG-4 encoder (9140-4300)
- Dual Channel MPEG-4 decoder (9140-5300)
- Dual Channel MPEG-2/4 encoder (9130-4300)
- Dual Channel MPEG-2 decoder/MPEG-4 encoder for transcoding (9130-6200)
- MPEG-4 encoder/decoder (9140-6200)
- Dual Channel MPEG-2/MPEG-4 decoder (9130-5300)

NTSC Resolution	PAL-M	PAL
64x48	64x48	64x48
128x96	128x96	128x96
176x128 (QSIF)	176x128 (QSIF)	176x144 (QCIF)
192x144	192x144	192x144
256x192	256x192	256x192
320x240	320x240	320x240
352x240 (SIF)	352x240 (SIF)	352x288 (CIF)
		384x288

Windows Media Models

- Single Channel encoder (9190-4200)
- Dual Channel decoder (9190-4300)
- Dual Channel Multi-Format encoder (9180-4300)
- Dual Channel Transcoder (Windows Media Encoder/MPEG-2 Decoder) (9180-6200)
- Dual Channel Multi-Format Encoder (9150-4300)

4:3 Resolution	16:9
640x480	640x360
640x240	640x180
320x480	384x216 (NTSC only)
320x240	512x288 (PAL only)
240x180	256x144
160x120	128x72