

Product Selector Guide



Download detailed product information at www.VBrick.com

Industrial strength, portable VBrick Appliances deliver video on local area networks, wide area networks, and the Internet with unparalleled reliability and stability. For more than a decade, VBrick video appliances have provided educational institutions, corporations, and government agencies with high-quality video distributed on their IP network.

WM Appliances

Multipurpose network video appliance that encodes, streams, and records Windows Media® video and audio formats.

MPEG Appliances

Multipurpose network video appliance that encodes, streams, and records standard MPEG-2 and MPEG-4 video. Deliver one or two-way interactive communications over IP networks.



Features

All VBrick Appliances	
- 4:3 or 16:9 aspect ratio	- Supports closed captioning
- Supports both NTSC and PAL video	- Wide range of networking parameters
- Wide range of video resolutions, frame rates, and bit rates	- Dual serial ports for maintenance and data transport / camera control
- Easy to configure	- Meta data support for synchronizing rich media
Windows Media®	
- Encodes, multicasts, serves, reflects, pushes, and records	- Excellent quality for one-way video communications
- Low delay	
MPEG 2	
- Best quality / lowest delay	- Two video streaming destinations for unicast and multicast
- Encodes, multicasts, serves, and records	
- DVD quality video at high bitrates (2-15 Mbps)	- Supports multiple resolutions, including full D1
MPEG 4	
- High quality / low delay	- Stream Metering
- Encodes, multicasts, serves	- Automatic on-screen display for programs
- Built-in video server (200 simultaneous users via standard RTSP)	- Picture-in-picture
	- Dynamic image enhancement

Models

Windows Media®

Single Channel Encoder
Dual Channel Encoder
Ruggedized Encoder (video only)

MPEG-2

Encoder / Decoder
Single Channel Encoder
Dual Channel Encoder
Single Channel Decoder
Dual Channel Decoder
Ruggedized Encoder (video only)

MPEG-4

Encoder / Decoder
Single Channel Encoder
Dual Channel Encoder
Single Channel Decoder
Dual Channel Decoder
Ruggedized Encoder (video only)

MPEG-2/4

MPEG-2 Decoder/MPEG-4 Encoder
MPEG-2/4 Dual Channel Encoder
MPEG-2/4 Dual Channel Decoder

Windows Media®/MPEG

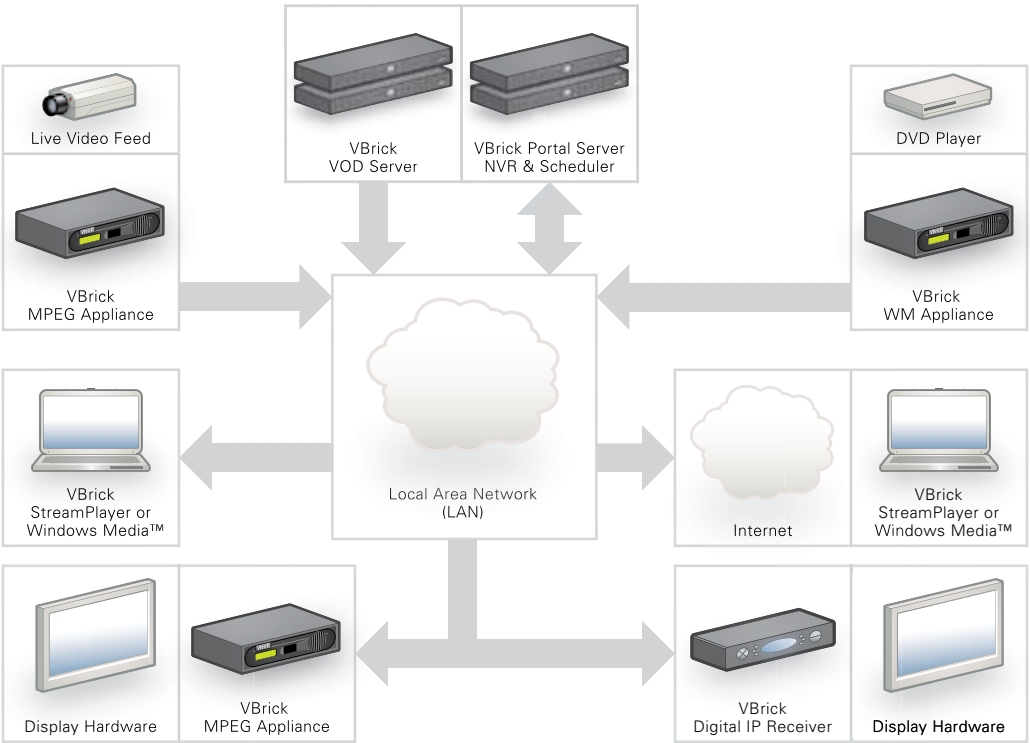
WM/MPEG-2 Dual Channel Encoder
WM Encoder / MPEG-2 Decoder
WM/MPEG-4 Dual Channel Encoder

Options

Hard drive (MPEG-2/WM)
SDI Input (MPEG-2/WM Encoders)
SDI Output (MPEG-2 Decoders)
ATM (MPEG-2/MPEG-4)

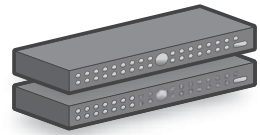
EtherneTV is an enterprise-wide solution composed of a set of scalable, industrial strength, network-aware appliances that allow organizations to build a video infrastructure on top of any existing IP network. Each component plays a significant role in capturing, recording, managing, distributing, and viewing your video assets.

ETHERNETV Media Distribution System



Portal Server

A web-based portal for accessing live streams and on-demand audio and video assets. Provides a user-friendly interface to locate available media assets from Windows® PCs, Macs, Linux® PCs and IP Receivers. DVD-like controls make viewing easy.



Features

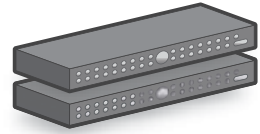
- Search and retrieve videos
- Video thumbnails
- Closed captioning
- Preview video
- Create channels
- Full-screen video
- Supports multiple video formats: WM and MPEG-1, 2, 4
- Access control (Active Directory® and LDAP)

Network Video Recorder

Provides a dedicated platform to perform multiple simultaneous recordings of live streams from VBrick appliances.

Features

- Large storage capacity
- Multiple simultaneous records
- Redundant storage and dual power supplies
- Completely integrated with Portal Server, Scheduler and VOD servers



Models

NVR10 – Supports 10 simultaneous records

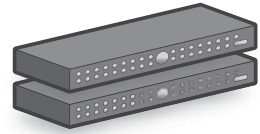
NVR40 – Supports 40 simultaneous records

Scheduler (Portal Server Required)

Scheduler software allows administrators, media specialists and end users to schedule events in an easy to understand interface. Schedule live broadcasts or stored re-transmissions, recordings, and two-way conferences.

Features

- Completely integrated with Portal Server, NVR, and VOD servers
- Emergency broadcast feature allows broadcasting with the push of a button
- Calendar interface
- Multiple video formats

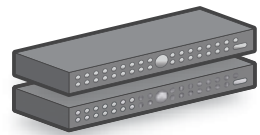


VOD Servers

Robust, integrated solution for stored file playback. Allows stored assets to be unicast or multicast on an IP network.

Features

- Rich media distribution to desktops and IP Receivers
- System monitoring provides usage information
- Full DVD-like controls
- Supports server clustering
- Seamless integration with Portal Server



Models

Windows Media®
VOD 125 – 125Mbps
VOD 300 – 300Mbps

MPEG
VOD 50W – 50 Mbps
VOD 125W – 125 Mbps
VOD 300W – 300 Mbps

Digital IP Receivers

Ideal MPEG decoder for large-scale cost sensitive deployment. Access live streams, request stored content, or access the web. Provides a customized, interactive television viewing experience.

Features

- MPEG-1, MPEG-2, MPEG-4, or Windows Media®
- Boot stand-alone device
- Intuitive remote control
- Full DHCP and DNS support
- Closed captioning supported
- Supports hundreds of channels



Options

Wireless keyboard

Packages designed with ease of use and durability in mind. Travel to a location, connect your camera and microphone and begin broadcasting. The packages contain everything you need to go live in an instant.

VBDesktop

Everything you need to begin streaming live, in minutes. Simply connect the camera (included), connect the VBrick Appliance to your network and start broadcasting, today.



Features

- One VBrick WM Appliance
- Camera with microphone and tripod
- VBPresenter software for rich media streaming
- Prepaid hosting service designed to scale with ease
- Cables, connectors, power supply and quick start guide

VBExpress

Fully contained version of VBDesktop. Everything is pre-installed in a hard, durable travel case, allowing you to broadcast from anywhere at anytime, without having to unpack and set up. Simply open the case, connect the camera, power, and network connection to begin Webcasting.



Features

- One VBrick WM Appliance
- Camera, microphone, tripod, and network switch
- Prepaid hosting service designed to scale with ease
- Durable carrying case
- Cables, connectors, power supply and quick start guide
- VBPresenter and StreamPlayer software

VBxStream

Designed for use by emergency first-responders and news crews, our VBxStream package broadcasts high-quality video and audio signals via cell-phone or satellite uplink on VBrick Appliances. Simply connect your audio and video sources, your transmission device, and begin broadcasting.



Features

- One VBrick Appliance (MPEG 2/4 or WM)
- Confidence monitor
- Optional integrated wireless networking (802.11g) interface
- Durable carrying case
- One-touch quick function keys
- Breakout box for satellite or cell connection

VBrick's software solutions are designed to help interact with VBrick video appliances. Whether you need to distribute a live webcast, complete with timed PowerPoint® slides or view and record a live feed from a remote appliance, our software is easy to use and install.

StreamPlayer

Powerful and robust desktop player tightly integrated with VBrick's appliances. Sub-second delay enhances viewing and recording of live content.

Features

- Viewing of live and on-demand local files
- Recording of live streams (only with StreamPlayer Plus)
- Closed captioning support
- Automatic discovery of live streaming feeds



Options

- StreamPlayer (view only)
- StreamPlayer Plus (includes recording features)

VBPresenter

PowerPoint® Add-In allows you to create and deliver fully synchronized slides, Q and A, audience polls, and web pages with the VBrick WM or MPEG-4 Appliance.

Features

- Appears as a toolbar in PowerPoint®
- Record & upload presentations for on-demand viewing
- Multimedia control inside PowerPoint®
- Attach additional materials to the presentation



Our team of talented engineers have designed hundreds of custom software and hardware solutions to meet very specific needs. Whether it's to control an intelligent transportation system or the installation of conformally coated hardware to survive the harsh conditions of the Arctic, we invite you to challenge us with your needs.

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