

# Federal District Court of Arizona

## Using IP Video to Reduce Costs and Bandwidth



### Organization

**Federal District Court of Arizona**

### Industry

**Government**

### VBrick Products

**VEMS Product Suite**

### Applications

**Streaming of Live and  
On-Demand TV Broadcasts**

The Federal Judicial Center in Washington D.C. is the research and education agency of the federal judicial system. The Education Division is responsible for planning and producing educational programs, services and resources for judges and non-judicial court personnel. This material is distributed in many ways, but most importantly, is broadcast via the Federal Judicial Television Network (FJTN) by satellite. Currently over 300 sites nationwide receive this satellite broadcast, making it the second largest nonmilitary television network in the federal government. The FJTN broadcasts 154 different programs, 36 of which are aired live. Each judicial site is responsible for distributing these television feeds throughout their locations. Most are distributed through individual satellite receivers, CCTV systems, or standalone Windows Media Encoder PC's.

### The Challenge

**A more efficient way to distribute and record FJTN programming, deliver live television to personnel, and provide access to training material to remote offices and users located throughout sites in Arizona**

Using existing satellite feeds for FJTN and Cox Cable Television, the Federal District Court in Arizona (FDC) distributes content more efficiently to personnel with VEMS. The VEMS portal system provides a web portal where users can go to view live television, record live programs, and access recorded content. HTTP and RTSP Windows Media streams are also set up so remote offices and users in Flagstaff and Yuma can view live feeds and record content at lower bit rates from the central site in Phoenix.

Future applications of this system for the Federal Courts may also include recording court proceedings, broadcasting live special proceedings and IP enabling security camera systems.

### The Solution

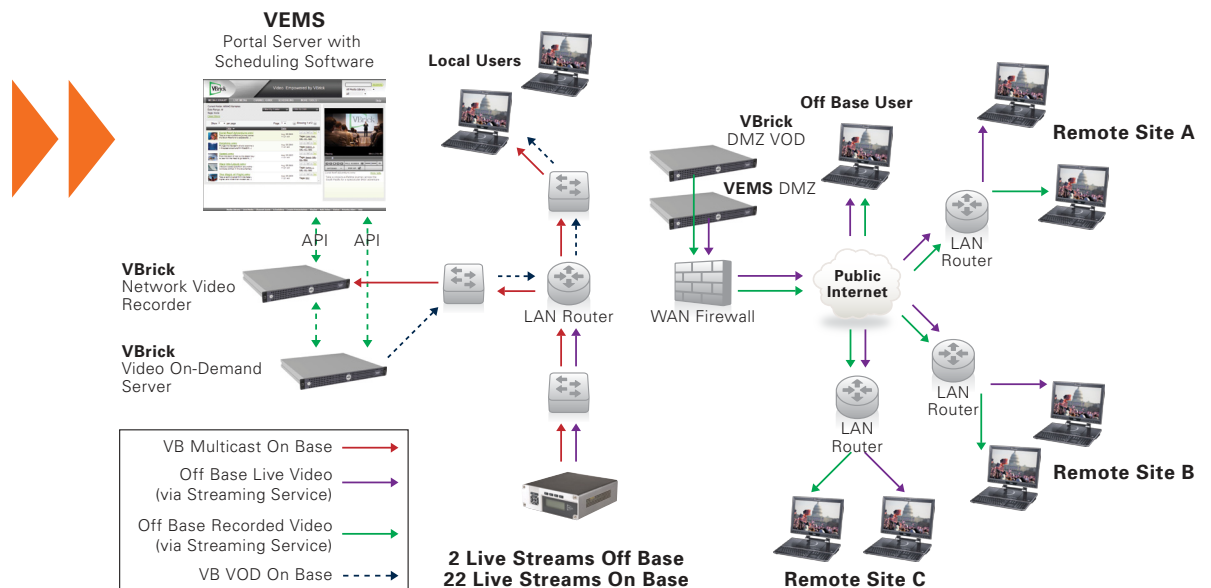
**VEMS portal system for access to live and on-demand television and other programs**

VBrick currently sells many products and solutions to include Encoders, Decoders, Set Top Boxes (STBs), Video on Demand Storage (VOD) Servers, and the new VBrick Enterprise Media System (VEMS). VBrick can support and encode streams in several different formats (MPEG-1/2/4 and Windows Media). Most importantly is how the content is delivered to the IP-based network by utilizing multicast technology. This allows for a one-to-many delivery of content which saves bandwidth on the IP-based network backbone. MPEG-4 MPEG and WME appliances also have the ability to broadcast HTTP and RTSP streams to the Internet acting as a standalone web server for live broadcasts.

## Applications in the Department of Defense and Federal Civilian Agencies

VBrick offers the ability to capture, record, manage, distribute, and access all video content across an organization’s network infrastructure. With thousands of Federal customers, many Agencies have made VBrick the standard for video streaming within their Enterprise. Applications include Mission-Critical or “In Theater” or “First Responder” applications supporting the men and women at the front lines, and Non-Mission Critical applications supporting operations and internal communications. VBrick’s scalable and reliable video communications solutions are installed using existing IP networks to deliver live or on-demand information to U.S. Federal employees.

### System Integration



#### About VBrick Systems, Inc.

VBrick is the leader in Enterprise IP Video solutions, with over 9,000 corporate, education and government customers and 60,000 installations worldwide. VBrick solutions work over standard IP networks and the Internet to deliver rich media communications that connect people everywhere – from employees and customers, to partners and shareholders. Our comprehensive product suite and end-to-end solutions are used in a wide range of live and on-demand applications including meeting and event broadcasts, distance learning, digital signage, TV distribution, video surveillance, and Web-based marketing campaigns. Headquartered in Wallingford, CT, VBrick’s products and services are available through industry-leading value-added resellers.

For more information, visit [www.vbrick.com](http://www.vbrick.com)



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