

EZ TV System

Digital Video Delivery Solution for Enterprise Networks



EZ TV System is an advanced application suite that empowers organizations to deliver live and on-demand video over local and wide area IP networks.

Optibase EZ TV allows military and law enforcement organizations, government agencies, enterprises, and educational institutions to deliver their own custom lineup of locally produced, broadcast, and on-demand content. Video is delivered from any source to every PC and TV used by members of the organization over LANs. Using the advanced EZ TV Web Portal, administrators can quickly create channel groups and distribute them to all users or selected user groups at the click of a button. EZ TV System user groups and access privileges can be easily defined based on existing Microsoft Active Directory groups.

The browser-based EZ TV Player simultaneously displays any combination of live channels and VOD content chosen by the user in a 1, 4, 9 or 16 window mosaic. Supported video formats include the high-end MPEG-4 AVC (H.264) codec as well as MPEG-4 Part 2, MPEG-2 and MPEG-1. Content, software, and ticker message updates can be automatically distributed to all users. Emergency broadcast capabilities enable administrator take-over, with subsequent return to individual settings.

For conference rooms and executive offices, EZ TV STB Module enables users to select content to be viewed on HD or SD TV monitors in addition to PCs. An intuitive graphical user interface makes it easy to browse content and control volume via a standard remote control. Alternatively, EZ TV Remote Control enables the system administrator to select fixed content for broadcast to a group of remote TV monitors.

Benefits

- Centralized software and content updating ensures user access to newest content and optimal player performance
- Intuitive player interface makes selection of desired content and combinations simple
- EZ TV Portal provides secure, cost-effective and centralized management of users, content and players
- Automatic player installation at first entry for lowest deployment cost
- Powerful, format-agnostic IPTV delivery platform seamlessly handles locally produced, off-air, and on-demand video content for play on PCs and TV monitors
- Dynamic channel guide enables administrators to quickly and easily create intuitive, up-to-date channel groups

Applications

- Training and education
- Security monitoring and surveillance
- Live events
- TV over IP
- Tactical and situational awareness

Key Features

- Supports HD and SD live and on-demand streams including MPEG-1/2/4, H.264, Windows Media, QuickTime and Adobe Flash
- Advanced channel guide with grouping and access control, integrated with Microsoft Active Directory
- Mosaic viewer for 4, 9 or 16 concurrent videos and full screen viewing
- Browser-based player with automatic installation
- Web-based administrative interface
- Advanced VOD and PVR Trick-Play services including VOD pause, resume and skip ahead/back
- Emergency broadcast system remotely tunes all clients to operator-specified channel
- Real time alert notifications for users
- Seamless integration of TV monitors and IP STBs, including automatic channel guide synchronization
- EZ TV Player can be customized by the administrator with logos and graphics
- SAP Listener offers dynamic detection of Optibase and third-party streams for aggregated playback
- Multi-OS support: Windows 2000/2003/XP/Vista and MAC OS X

System Components

- **EZ TV Portal** - Powerful browser-based administration interface with full control over all aspects of the EZ TV IPTV system.
- **EZ TV Player** - Browser-based client with the ability to play live and on-demand content using a multi-window mosaic view with 1, 4, 9 or 16 concurrent streams.
- **EZ TV Player Lite** - A compact and streamlined version of the powerful EZ TV Player with a single-channel floating window that is fully resizable and can be positioned anywhere on the screen.
- **EZ TV VOD** - Add-on module, adds the ability to store, distribute and publish offline video assets. Enables on-demand access as well as scheduled streaming and recording in the EZ TV IPTV system.
- **EZ TV Remote Control** - Add-on module that enables remote management of IP set-top-boxes from a single or multiple locations.
- **EZ TV Remote Control with Maps** - Enhances EZ TV Remote Control with a graphical interface that integrates with standard coordinate mapping systems.
- **EZ TV STB Module** - Add-on module that adds a graphical interface to IP set-top-boxes, with full access to the entire EZ TV channel lineup.

Technical Specifications

EZ TV and VOD Server

- 1-RU rack mountable
- Dimensions: 17" x 22" x 1.7"
- Weight: 28 lbs
- Power: AC 110/230 V (50/60 Hz), 350 W
- Storage Space: 500GB
- User Limit: Up to 100 concurrent file streams
- Streaming Capacity: 200Mbps

EZ TV VOD Professional Server

- 2-RU rack mountable
- Dimensions: 17" x 27.5" x 3.4"
- Weight: 65 lbs
- Power: AC 110/230 V (50/60 Hz), 2 x 835W
- Storage Space: 1TB arranged in a RAID 5 array
- Power supply redundancy
- User Limit: Up to 200 concurrent file streams
- Streaming Capacity: 400Mbps