

ZIP PORTAL

Video Distribution and Content
Management Systems



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ZIP Portal IPTV System is an advanced modular end to end solution that empowers organizations large and small to deliver live and recorded video, on a scheduled or on-demand basis, to computers, TV screens and mobile devices over LAN and WAN networks.

Z-Band IP Systems *ZIP Portal* allows corporate enterprises, government agencies, military, and educational institutions to deliver real-time and recorded video over their LANs and WANs. The *ZIP Portal* Web Portal offers a familiar look and feel for users on the network and does not require an intrusive installation allowing for the fastest up time. Administrators can create and manage video assets dynamically and distribute them across the network. From encode to playback, access control is regulated and protected using AES 256/128-bit encryption along with seamless integration with Microsoft Active Directory users and user groups. Z-Band IP Systems support programs also include access to our annual advanced technical training schools, allowing you to get the maximum out of your video platforms and offer the best level of service.

The browser-based *ZIP Portal* Player uses the most flexible, multi-format digital video codec to offer CPU-efficient high quality playback of IPTV streams up to full HD 1920x1080p60. With powerful features to enhance the viewing experience, such as de-interlacing engine for smooth viewing of high



motion content, Closed Captioning, Electronic Program Guide (EPG), Text Overlay and advanced features for Broadcast and Command and Control monitoring, *ZIP Portal* packs professional grade decoding capabilities in thin client architecture with ultra-low latency support, powered by technology with under 70 milliseconds decoding of Standard Definition and High Definition IP streams.

ZIP Portal STB Module integrates commercial IP set-top-boxes into the *ZIP Portal* eco-system, allowing users to view content securely using AES 256/128-bit encryption and access control on their HD or SD TV monitors. A powerful middleware graphical interface makes it easy to view live and on-demand content featuring Electronic Program Guide (EPG) to view and record scheduled programming. *ZIP Mobile Player* is an integrated player for iPhone, iPad and Android tablets and smart phones that is controlled dynamically with *ZIP Portal Administrator* providing full channel guide synchronization and user authentication. *ZIP Portal Mobile Solution* enables rapid deployment of real-time streaming to phones and tablets. Using the latest protocols optimized for mobile delivery, *ZIP Portal Mobile Solution* transcodes, relays and publishes existing IPTV feeds or newly created IP streams to mobile devices. The *ZIP Portal* can manage a cluster of Z-Blades and enables video streams to be quickly assigned to mobile devices from within the *ZIP Portal*.

With the *ZIP Portal* Video-On-Demand (VOD) and Network Digital Video Recorder (NDVR) Servers, users and administrators can record live video or easily upload pre-recorded content for on-demand playback. Additionally, the system offers scheduled recording and continuous archiving of content for monitoring and time-shift applications. Authorized users may record channels for private use, on their own local storage, allowing immediate recording and schedule recording of upcoming programs with full integration of EPG.

Benefits

- Field proven and most deployed H.264 enterprise IPTV delivery system in the world.
- VeriSign secured and DOD verified browser plug-in for seamless deployment.
- Format-agnostic IPTV delivery platform seamlessly handles locally produced, off-air, and on-demand video content for playback on PCs, TV's and Mobile devices.
- Virtualization and high availability ready.
- Deployable in virtual IT environments.
- Intuitive player interface makes selection of desired content and combinations simple.
- Single Administrator interface for managing, provisioning and monitoring all IPTV services in local and remote locations.
- Support for Over-The-Top (OTT) content: internet video channels.

Applications

- Corporate TV and company communications
- TV over IP replacing legacy cable systems
- Tactical full-motion-video (FMV) and Situational Awareness
- Command and Control
- Video Confidence Monitoring
- Training and Education

Key Features

- Supports HD and SD live and on-demand streams in MPEG-1/2/4 and H.264 formats
- Built-in real-time AES 256/128-bit decryption
- One Touch Mosaic views of up to 25 videos with Carousel Feature for monitoring 100's of channels on a single screen
- Viewing Frame Channel Color coding for content classifications
- Multi-screen (PC, STB and mobile) browser-based IPTV Player
- On screen audio meter
- An Electronic Program Guide (EPG)
- Secure, web-based administrative interface for familiarized fast up time for viewing users
- Advanced VOD services including time-shift TV, pause, resume and skip ahead/back
- VOD files and recorded content is available immediately after being copied to storage
- NDVR functionality allows recording of live channels for delayed playback
- Local DVR recording options for viewing users on desktops
- Emergency broadcast system remotely tunes all clients to operator-specified channel
- Seamless integration of TV monitors, IP STBs and mobile devices,
- including dynamic automatic channel guide synchronization
- Customizable user interface
- CPU Meter offers complete control of client machine resources for conflict-free operation
- Full integration with Microsoft Active Directory for managing access to live and on demand content for network users and groups using
- PCs, STB and mobile devices
- SAP Listener offers dynamic detection of available streams
- Closed captions overlay and placement for MPEG-2 and H.264 streams
- Player optimization viewing for 16:9 and 4:3 content