

# Z-IP Portal

## Product Specifications



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### Product Description

The Z-IP Portal Solution for management, distribution and archiving of live and on-demand content over IP networks includes the Z-IP Portal Administration interface for Content Management, Conditional Access with AES Encryption and User Management via Microsoft Active Directory and Channel Guide creation, along with the Z-IP Portal IPTV Player; a browser-based, light footprint software player that supports MPEG-1/2/4/H.264 SD and HD multicast/unicast streams. Additional features include user-configurable mosaic playback of 20/25 concurrent video streams, Personal Video Recording (PVR), real-time alerts, emergency channels and Electronic Program Guide (EPG).

The Z-IP Portal supports distribution of training files using a unified channels list and integration with Active Directory via Z-IP Portal Lite module, allowing for backwards compatibility for legacy and third-party IPTV systems. Optional add-ons available for mobile streaming to iOS and Android devices, IPTV Set-Top Box, middleware, network recording (NDVR), scheduled broadcasting of pre-recorded files, and high-availability configurations. A variety of license packages are available to meet the customer's needs.

#### Z-IP Portal Modules

**Z-IP Portal:** Powerful browser-based administration interface with full control over all aspects of the Z-IP IPTV system that fits small to large scale IPTV projects.

**Z-IP Portal Player:** Browser-based client with the ability to play live and on-demand content using a multi-window mosaic view of up to 25 concurrent streams.

**Z-IP Portal Mobile Player:** Mobile Z-IP Portal client offers full mobile access to the entire Z-IP Portal channel lineup of live and on-demand content with dynamic channel listings.

**Z-IP Portal Player Lite:** A compact and streamlined version of the powerful Z-IP Portal Player with a single-channel floating window that is fully resizable and can be positioned anywhere on the screen. Also available as a gadget for Win7/Vista OS.

**Z-IP Portal EPG:** Electronic Program Guide for scheduled programs. The data is sourced from the broadcaster and displayed on an easy-to-read user interface.

**Z-IP Portal 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 Z-IP Portal IPTV System.

**Z-IP Portal Mobile Content Manager:** Add-on module for managing Z-Blades to create, edit and assign mobile channels to iOS and Android smartphones and tablets.

**Z-IP Portal STB:** Add on module that adds a graphical interface to IP set-top boxes, with full access to the entire Z-IP Portal channel lineup with EPG support and AES Encryption.

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<p><b>Z-IP Portal Modules (Continued)</b></p>	<p><b>Z-IP Portal STB Remote Control:</b> Add-on module that enables remote management of IP STBs from single or multiple locations controlling a single STB or groups.</p> <p><b>Z-IP Portal VM:</b> Z-IP Portal IPTV System software suite optimized for deployment in virtual IT environments.</p> <p><b>Z-IP Portal GE:</b> Add-on module integrates Z-IP Portal with Google Earth application to present UAV video with MISB-compliant KLV metadata on a moving map.</p>
<p><b>Z-IP Portal Server</b></p>	<p>Manages and delivers video up to 5,000 concurrent viewers from a single portal</p> <p>Conforms to DISA/JITC guidelines for secure IP networks, up to Top Secret</p> <p>1-RU rack mountable 17" x 22" x 1.7"</p> <p><b>Power:</b> AC 110/230V (50/60 Hz), 350W</p> <p>Redundant network cards</p> <p>Windows 2012/2016 Operating System</p>
<p><b>Z-IP Portal Player</b></p>	<p><b>Operating System:</b> Microsoft Windows XP/Vista/2003/2008/Windows:7; MAC OS X 10.7 (32-bit and 64-bit options for all operating systems), Windows 10 Support</p> <p><b>Internet browsers:</b> Windows Internet Explorer 7 and higher; MAC Safari 4.0/6.x</p> <p><b>Video formats:</b> MPEG-1/2/4/H.264/WMV Quick Time HD/SD, H.265 video playback</p> <p><b>Protocols:</b> UDP, RTP, RTSP, ISMA, SAP, HTTP, Flash, HLS, Smooth Streaming, HTTP, Multicast and Unicast</p>
<p><b>Z-IP Portal VOD/NDVR Server</b></p>	<p><b>Streaming capacity:</b> 200Mbps (100Mbps to STBs)</p> <p><b>NDVR:</b> Up to 10 concurrent SD/HD Channels</p> <p><b>Storage space:</b> 500GB</p> <p><b>Power:</b> AC 110/230V (50/60Hz), 350W</p> <p>1-RU rack mountable 17" x 22" x 1.7"</p> <p>Redundant network cards</p>