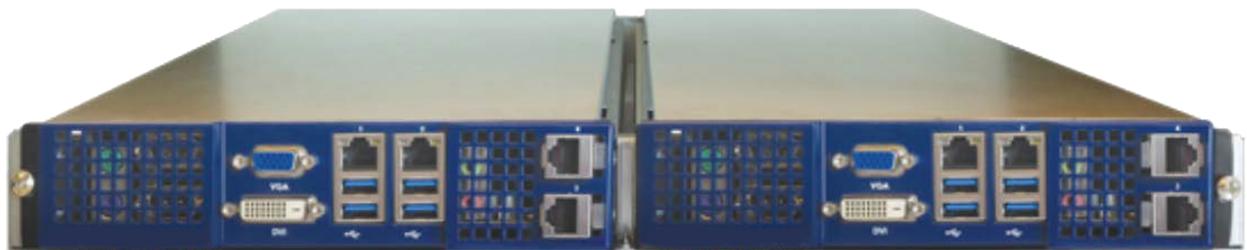# Z-IP Adapt OTT

IP Transcoder for Multi-Screen Video Delivery, Over-the-Top Services and Mobile Streaming

Z-IP Adapt OTT

IP Transcoder for Multi-Screen
Video Delivery, Over-the-Top
Services and Mobile Streaming

Product Description

Consumption of over-the-top (OTT) video streaming services is growing exponentially. Cable, Satellite and IP TV providers, ISP's, online video streaming services and enterprises must face the challenge of broadcasting their content to a large number of devices such as Smart TV's, Mobile Phones, Tablets, Media Players, IP Set-Top-Boxes and personal computers. The diverse set of devices, operating systems, networks and streaming protocols requires highly flexible transcoding technologies that can adapt original content to the specific devices. The Z-IP Adapt OTT is the optimal solution for real-time Transcoding of IP video to all common devices and players for the creation of broadcast quality multi-screen service.

Best-in-Class, Cost-Effective Modular IP Transcoding Platform

Adapt is a flexible 1RU platform combined of two independent strong modules designed to be scalable and cost effective answering all your IP transcoding tasks. Combining advanced video and audio codecs and hardware acceleration, the innovative Z-IP Adapt OTT offers unprecedented transcoding power of up to 30 transcoding services, either unique streams or Adaptive Bit Rate profiles.

Comprehensive Support for Streaming Protocols + Adaptive Bit-Rate (ABR)

Adapt provides an "all-in-one" solution for streaming video to any hardware device or software player using all common protocols for Apple™ iOS™, Android™, Windows Mobile™, Symbian™ and other devices; Apple™ HTTP Live Streaming, Microsoft Silverlight Smooth Streaming, Microsoft Windows Media, Adobe™ Flash HTTP Dynamic Streaming, 3GPP / Edge, RTP, RTSP UDP and more. The platform incorporates a built-in segmenter for the creation of the bandwidth efficient Adaptive Bit-Rate (ABR) streams and is capable of generating up to 16 video profiles for a single source, fully synchronized, to deliver exceptional picture quality in any network condition with dynamic, frame accurate, and seamless transition between profiles on the viewer's screen.

Service-Provider grade Advanced Capabilities

Adapt packs a unique set of advanced capabilities such logo insertion, Q-tone support for ad-insertion (SCTE-35), Closed Captioning, DVB subtitles and Teletext. Exceptional broadcast quality picture is achieved with wide range of pre-processing tools that include adaptive de-interlacing, video resizing and frame rate down-conversion. Built-in Piff encryption for Microsoft™ Smooth Streaming and native interoperability with VeriMatrix™ HLS encryption for iPhones™, iPads™ and Android™ devices. A Cluster Management System provides operator with full control of all services and capabilities and aggregates the control of multiple platforms into a single user interface for ease-of-use and efficient monitoring of live services.

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Benefits

- Best-in-class transcoding power - up to 15 services per module
- Superb HD/SD picture quality in any bit rate (built-in downscaling)
- Apple™ HLS, Microsoft™ SST, Adobe™ HDS, 3GPP, RTP, RTSP, UDP
- Adaptive bit rate with up to 16 unique profiles per channel

- Multi-audio support - up to 8 stereo pairs per video stream
- Built-in encryption for Microsoft Smooth Streaming™ and VeriMatrix™
- Integration with major CDN's; Akamai™ and LimeLight™
- Cluster manager for ease-of-management at the head-end

Applications

- Live delivery of News, Sports and Events
- Over-the-Top (OTT) Web Streaming
- IPTV services and PiP applications
- Broadband TV to multiple screens

- Terrestrial and Mobile TV
- Corporate Video
- Remote Education and E-Learning