

Live. On-Demand. Secure. Reliable.



Helix Universal Server

Live and on-demand media delivery for any device.

Streaming everywhere has never looked so good. Helix Universal Server delivers the highest-quality video streaming across all devices – from iPhone to PC and everything in between.

Well-known for reliability, high-performance and easy integration, Helix Universal Server now offers virtual hosting, with the ability to create multiple server instances from a single installation. For organizations supporting diverse configurations, this feature provides cost-effective dedicated streaming with reduced operating and licensing costs.

For even more control, Helix Universal Server lets you tailor the streaming rates delivered by HLS, MPEG-DASH and other protocols. With this fine-grained control, you can determine unique bitrates for specific devices and networks for maximum quality of service.

Benefits

- Support diverse configurations from a single server
- Reduce costs and increase quality of service
- Maximize scalability
- Increase reliability with 99.999%
- Stream universally
- Expand device compatibility
- Virtually host with AWS Cloud Services

Features

Virtual hosting

Reduce costs and customize configurations by creating multiple server instances from a single installation.

Controlled streaming for HLS and MPEG-DASH

Get fine-grained control for unique bitrate streaming to specific devices and networks.

CDN integration

Increase your distribution reach with support for a wide range of CDNs, including Akamai, U-Stream, Mirror Image, Tulix and AWS CloudFront.

Administrative APIs

Easily configure and monitor the server in real-time and integrate with reporting systems through programmatic access to the registry and all configuration options.

Multi-protocol stream ingest

Ingest Flash and other RTMP feeds plus RTP, MPEG2-TS and Helix Broadcast System.

DRM

Use digital rights management to protect your content and get encrypted content delivery and access protection.

Network DVR

Give your customers control over live streams with pause, seek and play options, and archiving files for future viewing.

Ad insertion

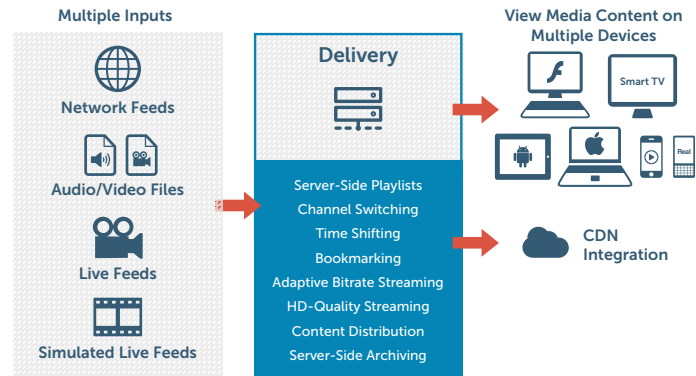
Increase revenue by leveraging SSPL for dynamic ad insertion.

Helix Universal Server Professional

For Broadcasters, Content Owners and System Integrators, Helix Universal Server Professional offers the multi-protocol support and other features of Helix Universal Server plus advanced capabilities including multi-vendor DRM, 3GPP standard compliance (Rel 5, 6) and a rich set of integration APIs for session and security management. To meet the needs of Broadcasters and Content Owners, this professional edition integrates with content management, subscriber authentication and billing systems to easily control access to streaming and downloaded media content. Additional integration with external third-party business systems helps manage and control media sessions for authorizing client connections, monitoring sessions, controlling streams, customer billing reconciliation and customer care systems.



Helix Universal Server



Product Specifications

The Helix Universal Server works with any mobile network and supports the broadest set of formats, codecs, and protocols.

Format	Codecs	Protocol
<ul style="list-style-type: none"> • 3GPP • 3GPP2 • FLV, F4V* • MPEG-4 • Windows Media • QuickTime • RealVideo® • RealAudio® • MP3 • SMIL • WAV 	<ul style="list-style-type: none"> • H.263 • H.264 • AAC • AAC Plus (HE-AAC) • AMR-NB • AMR-WB • Various Flash codecs in FLV* • VC1 	<ul style="list-style-type: none"> • RTSP • RTP • Helix Broadcast System (Helix-to-Helix) • RDT (Helix-to-Helix) • HTTP* • HTTP cloaking* • Apple HTTP Live Streaming* • HTTP progressive download* • RTMP*, RTMPT*, RTMPS* • MMS (Windows Media) • MS-WMSP* • MPEG2-TS
Operating Systems	Hardware Requirements	
<ul style="list-style-type: none"> • Microsoft Windows Server 2008 R2 64-bit • Red Hat Enterprise Linux Server 5 64-bit/32-bit** • Oracle Linux v6 64-bit** • Oracle Solaris 10 64-bit** 	<ul style="list-style-type: none"> • 3.2GHz Intel Pentium 4 processor (dual Intel Xeon or faster recommended) • SPARC Tx Series or better • 32-bit operating systems: 2GB of RAM (4GB) • 64-bit operating systems: 4GB of RAM (8GB) • 1 GB Ethernet card recommended 	

*Not supported in Helix Proxy.

** Solaris on x86 is not supported.

About the Helix Media Delivery Platform

The Helix Media Delivery Platform helps organizations encode, manage and securely deliver media to users on a wide range of platforms, formats and devices. This fully-supported, end-to-end solution allows organizations to automate the creation and delivery of high-definition, live and on-demand media. Easily integrated and managed, this solution helps educators, governments, enterprise organizations, broadcasters, carriers and OEMs reach more people with the content they want through a solution that saves money by streamlining the entire media delivery process.

Contact Us

Contact a Helix sales representative at [800.444.8011](tel:800.444.8011) or helix-sales@realnetworks.com.

To learn more about the Helix Media Delivery Platform, visit www.realnetworks.com/helix and follow [@RealHelix](https://twitter.com/RealHelix).