



Helix Mobile Server is the industry-leading digital media server from RealNetworks. It is optimized for delivery of all major file formats over any wireless network.

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Helix Mobile Server is highly reliable and offers advanced content networking capabilities. It is the choice of more than 100 mobile operators worldwide not only for its reliability, scalability and manageability but also for its cross-platform and multi-format support.

Helix Mobile Server is the delivery component of the [Helix Media Delivery Platform](#) – the gold standard for mobile video among mobile operators, media companies and device manufacturers worldwide.

## Latest Feature Advancements

- **iPhone HTTP Streaming**  
Stream video to the growing iPhone audience. Supports HTTP streaming and HTTP streaming with adaptive bit rate to the iPhone and iPod touch.
- **Live Rate Adaptation (LRA)**  
Improves overall end-user QoS by automatically delivering the highest bit-rate stream supported by the network at any given time. Seamlessly manages network fluctuations, such as signal strength, bearer handover and network congestion.
- **Ad Enablement**  
Monetize video with enhanced ad capabilities. Insert advertisements as pre-roll, post-roll or interstitial clips. Ads are dynamically updatable, live or on-demand.
- **Server-Side Play List (SSPL) Management**  
Increase end-user engagement with mobile video content by combining live and on-demand video assets in compelling and interactive ways in a single session. Playlists are dynamically updateable and may be created by content providers, mobile operators or customized by subscribers.
- **Flash Progressive Download**  
Deliver Flash Video (.flv) and Flash animation (.swf) from Helix Mobile Server using HTTP progressive download.
- **Fast Channel Switching**  
Allows quick changes to the media input for a continuous stream, eliminating the need to set up a separate session for each stream. This brings a more “TV-like” viewing experience to users as they “change channels” between different pieces of video content.



# Helix Mobile Server

## Product Features

- Tailored to the business needs of mobile operators and media companies
- Standards-based 3GPP Rel 5 and Rel 6, RTSP, RTP, SMIL compliant
- Designed to provision live and on-demand content reliably across distributed networks
- Advanced logging and statistics with SNMP v3 support
- Integration with billing, provisioning and customer care systems
- Multi-tiered architecture support to maximize bandwidth and scalability
- Differentiated services, QoS support
- Server-Encoder fault tolerant failover capabilities
- Server-side rate control
- Simulated live streaming
- Future proof with IPv6 support

## Universal Media Delivery

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

Formats	Codecs	Protocols
<ul style="list-style-type: none"><li>• Real Media</li><li>• 3GPP</li><li>• 3GPP2</li><li>• Flash</li><li>• Windows Media</li><li>• QuickTime</li><li>• MPEG-4</li><li>• MP3</li><li>• SMIL</li><li>• And more</li></ul>	<ul style="list-style-type: none"><li>• H.263</li><li>• H.264</li><li>• AAC</li><li>• AAC Plus (HE-AAC)</li><li>• AMR-NB</li><li>• AMR-WB</li><li>• And more</li></ul>	<ul style="list-style-type: none"><li>• RTSP</li><li>• RTP</li><li>• RBS (Helix-to-Helix)</li><li>• RDT (Helix-to-Helix)</li><li>• MMS (Windows Media)</li><li>• HTTP</li><li>• HTTP cloaking</li><li>• HTTP streaming to iPhone</li><li>• HTTP progressive download</li></ul>

## Product Specifications

With Helix Mobile Server, you can consolidate multiple media infrastructures onto a single platform to simplify management for your operations and optimize the media experience for your customers.

Operating System	Processor	Memory	Hard Disk
Linux - RHEL 4.0 and 5.0 (Kernel 2.6)*	Intel P4 2.4 GHz	<ul style="list-style-type: none"><li>• 512 MB per processor</li><li>• 1-4 GB per processor (recommended)</li></ul>	100 MB (install) + Log + Media space
Windows 2003	Intel P4 2.4 GHz	<ul style="list-style-type: none"><li>• 512 MB per processor</li><li>• 1-4 GB per processor (recommended)</li></ul>	100 MB (install) + Log + Media space
Solaris 10	Ultra Sparc III 1.5 GHz	<ul style="list-style-type: none"><li>• 512 MB per processor</li><li>• 1-4 GB per processor (recommended)</li></ul>	100 MB (install) + Log + Media space

\*Note: Clones of RHEL 5.0 are not officially supported.



# Helix Mobile Server

## About The Helix Media Delivery Platform

The Helix Platform includes all the tools needed to rapidly build and deploy mobile TV services to subscribers, from media encoding and asset authentication through to accounting and playback.

- **Carrier-Grade Scalability**  
Helix Media Delivery Platform is specifically designed to scale and deliver content reliably across distributed networks.
- **Bandwidth Efficiency**  
Maximize bandwidth efficiency and improve quality of service through multi-tier architecture enabling splitting and content caching.
- **End-To-End Quality and Reliability**  
From encoder to server, from server to server or from server to player, the Helix Platform can be configured fully redundantly to provide a proven, fault-tolerant failover delivery service.
- **The Broadest Reach**  
The Helix Media Delivery Platform offers proven handset interoperability and is fully 3GPP compliant delivering the broadest reach to any device including, PCs, mobile phones, smartphones, iPhones, netbooks, MIDs and other emerging devices.



## Contact Real Today

To learn more about the Helix Media Delivery Platform, please visit [www.realnetworks.com/HelixPlatform.aspx](http://www.realnetworks.com/HelixPlatform.aspx)

To contact a RealNetworks sales representative or authorized reseller in your area, please visit [www.realnetworks.com/contact/index.aspx](http://www.realnetworks.com/contact/index.aspx)