

One-stop multi-screen transcoder.



Helix Producer Professional provides live and on-demand encoding and transcoding of popular streaming media formats – all from a single platform. This professional-grade encoder supports multiple video inputs and transcodes to multi-resolution, multi-bitrate profiles for live and on-demand media. It's easy to transcode once for leading industry formats including MP4, 3GP, MOV, WMV, RealVideo and many more with resolutions from QCIF to 1920x1080 HD.

Helix Producer Professional is smoothly integrated with other systems and provides IP ingest, logo and text overlay, and live-to-rolling archive for on-demand viewing. With IP ingest, you can capture both RTSP (IP surveillance or streaming service) and MPEG2-TS (digital cable TV or satellite) streams and transcode the content for multiple screens, including PCs, mobile devices, tablets, STBs and Smart TVs. Helix Producer automatically changes the CODEC by preparing the screen size and formats for multi-screen viewing.

Benefits

- Professional quality live and on-demand media
- One-stop, multi-screen encoding and transcoding for playback on STBs, PCs, tablets and mobile devices
- Highest-quality H.264 video color and AAC audio
- Lower total cost of ownership
- Easily integrates with other systems
- Quick installation

Features

IP ingest

Receive streams from RTSP and MPEG2-TS and transcode for multiple sizes and formats.

High-definition

Create full HD 1920x1080 resolution H.264 content or live broadcast.

Automated high quality

Get real-time alerts on standards compliance and quality issues for current settings with guidance for optimizing encoding.

Live multi-rate adaptation and file creation

Combined with Helix Universal Server, improve the end user experience by delivering the highest bitrate possible from the network at any given time for both live and on-demand content.

Full automation and productivity toolset

Fully automate the encoding process with a powerful and complete command-line interface and maximize productivity with XML job file templates – tailored recipes for standard profiles and mobile devices.

Streamlined integration

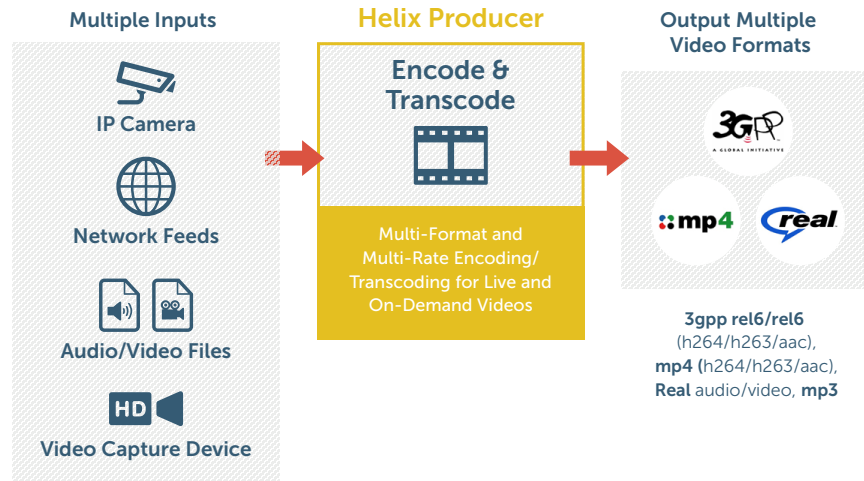
Easily integrate with custom applications and within an existing infrastructure.

Quality monitoring

Ensure outstanding quality with proactive monitoring of audio and video input signals. The system detects issues such as no signal, static and no audio then immediately sends an alert



Helix Producer Professional



Helix Producer Professional Product Specifications

Helix Producer Professional allows easy encoding and transcoding from a wide variety of input devices, enabling multi-screen, multi-resolution and multi-bitrate delivery applications.

Input

- IP transcoding from MPEG2-TS & RTSP video streams
- Transcode a wide variety of files including WMV, MOV, AVI, MPG
- Encode directly from web cam and video/audio capture cards supporting Directshow

Outputs

- H.264, HE-AAC and H.263, AMR-NR, AMR-WB, RealMedia and MP3 codecs
- MP4 multi-rate, 3GPP rel. 5 single-rate and 3GPP rel. 6 multi-rate and RealMedia containers
- Live streaming using standards-based RTP or Helix RBS broadcast
- Live push and pull broadcast methods with UDP-based unicast or multicast and TCP unicast broadcast
- Live archiving for on-demand playback

Pre-Processing

- High-quality video and advanced encoding controls, including variable bit rate and constant bit rate audio/video preprocessing: cropping, frame rate conversion, inverse telecine, de-interlacing, noise filtering, logo or text overlay and audio adjustment
- Real-time preview of input pre-filtering
- Real-time preview of output bitrate broadcasting within the graphical interface

Management

- Graphical User Interface and Command Line job files to enable easy usage or scripting integration
- Efficient productivity: includes customizable job files, batch encoding and command-line operation
- Token replacement provides scripting support for dynamically naming output files, metadata or live streams with encoding settings, date/time and more
- SNMP monitoring for Network Management consoles
- Run Multiple instances per Server H/W platform*

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).

*Where licensed