

### Highlights

- Live encoding and streaming in a wide range of formats for the Web, mobile devices and IPTV
- Advanced preprocessing for exceptional streaming quality and optimal bandwidth usage
- Robust reliability for unforgiving live environments
- Simultaneous archiving to files for future on-demand use
- Enterprise-class, multi-channel management and automation through Digital Rapids Broadcast Manager
- SD, HD and IP-input models

### Top-Quality Live Encoding and Streaming in a Wide Range of Formats

Whether viewed on a PC, mobile device or IPTV set-top box, IP-based streaming video has redefined broadcast and lets you reach more viewers than ever before. Bridging traditional video and IP networks, your live media encoders are critical points along the path between you and your viewers. Complementing our multi-purpose **StreamZ™** and **StreamZHD™** encoding systems, **StreamZ Live** encoders deliver the same outstanding quality, reliability and easy operation in dedicated configurations for live applications.

StreamZ Live models are available with a comprehensive range of analog and digital input options, from HD and SD video to IP inputs for existing source streams. HD models support 1080i, 1080p and 720p inputs, with real-time outputs up to full 1920x1080 resolution.



StreamZ Live encoders are available with a broad range of encoding formats to reach your desired platforms, from Adobe® Flash® (H.264/AVC or On2 VP6), Microsoft® Silverlight® (H.264/AVC or VC-1/Windows Media®) and QuickTime® (Darwin server) based web experiences to IPTV set-top boxes, mobile phones (from 3GPP devices to the Apple® iPhone®) and the iPad™. StreamZ Live can output streams in multiple formats, resolutions and bit rates simultaneously, letting you target multiple audiences from a single system.

Select StreamZ Live models including **StreamZHD Live ABR™** – the industry's highest-performance adaptive streaming encoder – support adaptive bit rate technologies including Microsoft IIS Smooth Streaming, Adobe Dynamic Streaming and HTTP streaming to the Apple iPhone and iPad. Adaptive bit rate streaming lets you deliver seamless viewing experiences up to HD quality under changing viewer network and playback conditions.

### Spectacular Quality in Sophisticated Workflows

Even the most compelling content can fall flat if delivered at poor quality. The StreamZ Live family features the renowned quality that leading studios and networks depend on daily, ensuring that your streams will exceed your audience's expectations. StreamZ Live's advanced video preprocessing features 'groom' source video signals to deliver superior streaming quality and the most efficient use of bandwidth in the compressed result.

The integrated Stream Live software provides an operator-friendly interface for configuring encoding and streaming parameters. Multiple configuration profiles can be stored and recalled for easy re-use. Video adjustments and graphic overlay let you refine the incoming source and add branding such as a logo to the outgoing stream. Outputs can be saved to files for subsequent on-demand use. Script commands can be inserted into ASF outputs to trigger downstream events such as advertising insertion.

Multiple StreamZ Live encoders can be combined with the scalable **Digital Rapids Broadcast Manager®** software for centralized management, scheduling, monitoring, upstream router control and failover for fault tolerance, simplifying operations and bolstering reliability with a complete enterprise-class live stream encoding workflow.



## Models and Inputs

**StreamZ Live** – Standard-definition StreamZ Live encoders are available in several models featuring a comprehensive range of analog (composite, S-video and component) and digital (SDI) input options and your choice of one or more output formats. Dual-channel models, available for select formats, support capture and encoding from two distinct input sources simultaneously.

**StreamZHD Live ABR** – The industry's highest-performance Adaptive Bit Rate streaming system, StreamZHD Live ABR encodes and streams live HD and SD content at unparalleled quality for delivery through the latest generation of adaptive streaming technologies from Adobe, Apple and Microsoft. StreamZHD Live ABR models are available in two input configurations – digital (SD/HD-SDI video with embedded audio) and digital-plus-analog (adding composite, S-video and SD/HD component analog video; balanced/unbalanced analog audio; AES digital audio). *Please see the separate StreamZHD Live ABR brochure for more information.*

**StreamZ Live IP™ (sneak preview!)** – The new StreamZ Live IP offers the flexible, top-quality encoding and streaming capabilities of the StreamZ Live family in a dedicated configuration for transcoding live IP-based Transport Streams. The source stream to be processed can be selected from a multi-program input Transport Stream.



## Features and Specifications

• standard ○ optional

Form factor	1RU rackmount chassis 26" D x 16.9" W x 1.7" H 600mm D x 430mm W x 43.5mm H
Video/audio input connectivity	<i>Digital-Only Models:</i> direct SDI connectivity <i>Digital+Analog Models:</i> breakout cable standard; 1RU breakout box optional <i>StreamZ Live IP:</i> IP network input
Available encoding formats (varies by model)	AVC (H.264, MPEG-4 Part 10) progressive with AAC/MP3 audio (RTMP for Adobe Flash, RTP/RTSP, Microsoft Silverlight), AVC (H.264) for Apple iPhone/iPad with integrated segmenting, AVC (H.264, MPEG-4 Part 10) with AAC audio (RTP/RTSP), VC-1 (Windows Media, Microsoft Silverlight), On2 VP6 for Adobe Flash, MPEG-2 (UDP/RTP with RTSP), 3GPP/Mobile (H.263, H.264, MPEG-4 Part 2, AAC and AMR audio)
Transport Stream multiplexing/output	○
Dolby Digital (AC-3)/Dolby Digital Plus stereo or surround audio encoding	○
Adaptive streaming support (select models)	Adobe Dynamic Streaming [Flash Media Server] (H.264) Adobe HTTP Dynamic Streaming (H.264) Apple iPhone/iPad HTTP Streaming (H.264) Microsoft IIS Smooth Streaming (H.264/VC-1)
Operator-friendly software interface for configuration	•
Unlimited customizable, reusable encoding profiles	•
Simultaneous output to multiple publishing points enables redundant streaming servers and services	•
Simultaneous archiving to files for future on-demand use (can be different resolution/bit rate from live stream)	•
Closed Caption support <sup>1</sup>	•
Graphic overlay (logos/branding)	•
Script command insertion into ASF (on-the-fly via Web Services API or from file) <sup>2</sup>	•
Persistent Streaming mode for automatic streaming start upon power-up	•
Multi-channel scheduling, monitoring, failover and automation through Digital Rapids Broadcast Manager	○

1. Closed Captioning supported in select encoding formats

2. ASF script command insertion available on VC-1 enabled models



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