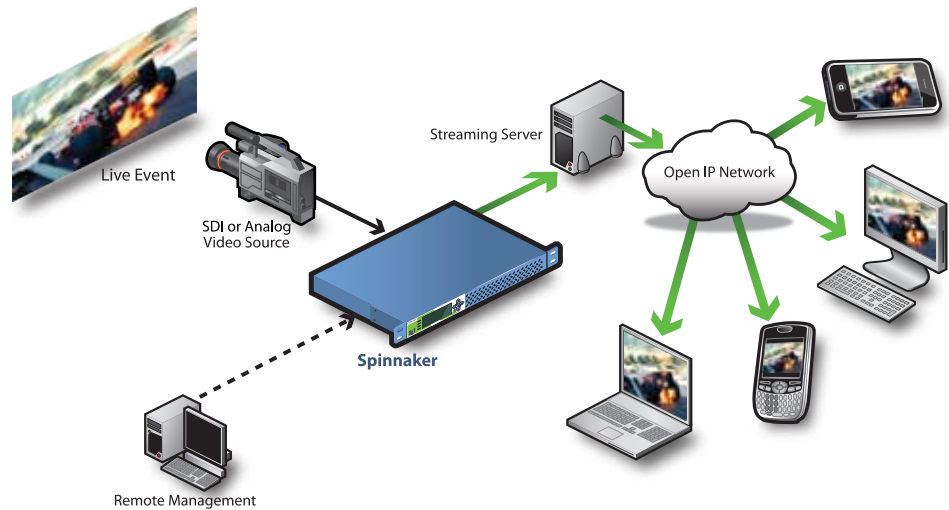


Spinnaker Live Streaming Appliances

Multi-Format Advanced Encoding Solutions

If you're in the live event business—whether it's sports, music, religious programming or shopping—and you're looking to expand your audience and increase your ad revenues, you need to deliver your events to more than just TV screens. And you need a professional, reliable solution that will grow with your requirements.

Spinnaker™ is Inlet Technologies' family of award-winning streaming appliances for live video and audio delivery applications such as web streaming, IPTV, broadband TV, enterprise, education or government video. A turnkey solution that provides the best possible streaming, Spinnaker is easy to set up and use and delivers great video quality. Customers such as Major League Baseball, Home Shopping Network, Heritage Auctions and MTV stream live events using Inlet Spinnakers.



Spinnaker is easy to set up...all you need is power, a network connection and a video source.

Multiple Formats, Multiple Resolutions, Multiple Streams

Spinnaker offers an unparalleled combination of multiple formats, multiple resolutions, and multiple streams. Its powerful and flexible core software platform can output multiple formats from one appliance, including Windows Media (VC-1), Silverlight, H.264 Flash, Flash 8 (VP6), and H.264 in an MPEG2 Transport stream. Spinnaker also offers a range of resolutions, from mobile to SD to HD. In addition to format and resolution flexibility, Spinnaker can output four simultaneous streams at varying bitrates.

Adaptive Streaming

Adaptive streaming is a breakthrough advanced media delivery method that switches seamlessly between multiple streams, depending on the available bandwidth and PC performance at any given moment. The best possible quality video stream is automatically delivered to the end user without stuttering, dropped frames or buffering. While the process itself is completely invisible to the end user, it results in a much improved user experience. In order to effectively implement this, multiple encoders need to be able to output multiple, synchronized streams. Spinnaker offers full support for adaptive streaming, using Inlet's patent pending technology to synchronize multiple encoders, allowing for seamless transitions between streams.

Easy to Set Up and Manage

Spinnaker was designed to be easy to set up and manage. Spinnaker's award winning Web-based interface gives you the flexibility of controlling the encoder from any networked computer. And you can use one of the pre-loaded presets optimized by the experts at Inlet, or take advantage of Spinnaker's almost unlimited—and unmatched—ability to customize encoding settings. Spinnaker will also automatically detect your video source, and even let you preview your video source before starting the encoder. Additionally, Spinnaker comes with built-in authentication to stream Windows Media and Flash to the major Content Delivery Networks (CDNs). All Spinnakers are field upgradeable to the latest software release, meaning you won't have to throw away your equipment when Inlet develops new software features.

Video Quality

While ease of use and reliability matter to the programmer, it's the quality that ultimately matters to the end user. In order to provide the highest quality video, Inlet starts with a high end video capture card, adds multiple pre-processing options, throws in two of the most powerful Intel® Xeon Quad Core processors, uses patent pending Dynamic Complexity balancing, and exposes the most comprehensive list of advanced compression settings. This compelling combination allows Spinnaker to consistently win video quality shoot outs.

Additional factors affecting video quality are resolution and bit rate. Inlet's engineering team has taken the principles of anamorphic compression from the motion picture industry to allow customers to compress their video internally on the encoder, but expand it back on playback. This lets you output a higher resolution stream at a lower bit rate than was previously possible.

Automated Operation and Remote Management

The Spinnaker family will help make your life easier. First, our Web based interface allows you to check on the encoder from anywhere in the world. Second, Spinnaker's scheduling capabilities allow you to set up future one-time or recurring events. Third, Spinnaker boasts an XML API that allows you or third party applications to control the Spinnaker via automated commands.

Metadata and Captioning

In addition to the video and audio streams, there is an additional data stream that travels with the video. For television broadcasts, this data is the closed captioning information that TVs have been designed to interpret. In the Internet streaming realm, there are multiple captioning options, and Inlet supports all of them: open captions, closed captions, SAMI captions, script streams, cue points, etc. This flexibility gives you multiple ways to reach a broader base of users and meet government or corporate requirements. In addition to the captioning data, Inlet Spinnaker also supports the insertion of metadata into a Windows Media or Flash stream. This metadata can be statistics, URLs for advertisements, contextual information, etc.

Multiple Solutions

The Spinnaker family offers multiple options to meet your streaming needs. From single format to multi-format, SD to HD, to streaming audio to mobile phones, Spinnaker does it all.

See the charts above to choose the Spinnaker that's right for you.

Comparison of Spinnaker Models

	S3000 Professional streaming at an affordable price	S3200 2-channel version of the S3000, giving you lower cost per channel	S5000 Simultaneous multi-format live event streaming	S7000 HD & SD simultaneous multi-format streaming
	SD	SD	SD	HD
Format	Single	Single	Multiple	Multiple
Channels	1	2	1	1
Real time SD	✓	✓	✓	✓
Simple, Main VC-1 Profiles	✓	✓	✓	✓
Flash 8 (VP6)	✓	✓	Optional	Optional
Closed Captioning	✓	✓	✓	✓
CDN Authentication	✓	✓	✓	✓
Job Scheduling	✓	✓	✓	✓
SNMP Management	✓	✓	✓	✓
Adaptive Streaming (Smooth, Dynamic)			✓	✓
H.264 MPEG2 Transport Stream			✓	✓
Advanced VC-1 Profiles			✓	✓
H.264/AVC			✓	✓
Interlaced Output			✓	✓
IP Multicast Out (TS)			✓	✓
Real time HD				✓

Comparison of Audio Spinnaker Models

	S80A Multi-channel audio encoder, supporting up to 8 mono/4 stereo input channels, output up to 4 streams per channel	S80D Adds 4 stereo digital AES audio channels
Format	Multiple	Multiple
Analog Channels	4 stereo/8 mono	4 stereo/8 mono
Digital AES Channels		4
Windows Media	✓	✓
Flash	✓	✓
MP3 Icecast/Shoutcast	✓	✓
CDN Authentication	✓	✓
Job Scheduling	✓	✓
SNMP Management	✓	✓



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