Sorenson MPEG-4™

MPEG-4 Video Compression

Delivery of rich media over the Internet all comes down to file size and video quality. With Sorenson MPEG-4, you get the best of both worlds in a codec that complies with open industry standards and raises the bar on compact, high-quality streaming.

encoding

hosting

streaming

Sorenson MPEG-4 is Sorenson Media's codec that lets you achieve high-quality, low-bandwidth delivery of rich media content. Fully compliant with the ISO MPEG-4 specification, Sorenson MPEG-4 meets the de facto international standard for coding video in a digital compressed format as specified by the Moving Picture Experts Group (MPEG). This open standard ensures that users of any compliant multimedia architecture, regardless of platform, can receive consistent performance and maximum quality when viewing streamed video.

As the MPEG-4 standard becomes more pervasive for Internet delivery of video, more and more coding solutions, multimedia players, and users will be "speaking the same language," thereby creating a truly open environment. The day will soon come when providers of streamed content can compress once, using Sorenson MPEG-4, and know that anyone who wishes to see that video will already be enabled.

As a pioneer in video compression and live broadcasting tools, Sorenson Media – through Sorenson MPEG-4 – is in a unique position to drive the mass-market adoption of Internet-based streaming media solutions. The Sorenson Video codec is the leading video compression tool for the QuickTime platform. With Sorenson MPEG-4, Sorenson Media achieves its goal to be one of the first in the industry to support this open standard.

Sorenson MPEG-4 significantly increases your ability to achieve high-quality, low-bandwidth delivery of compressed, rich media content. The Web acts as a powerful vehicle for users of all types to educate, entertain, and communicate, once given the proper tools to do so. Now with an open standards-compliant codec, that power extends to virtually everyone.

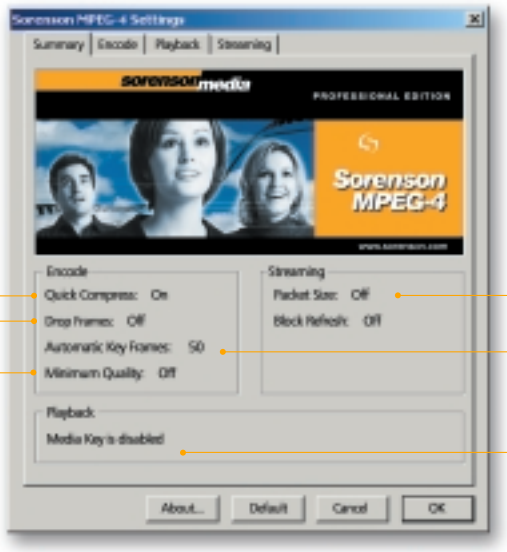
Maximum Quality, Optimum File Size

Sorenson MPEG-4 can dramatically improve your coding process by increasing video quality and reducing the file size of the finished media. Real-time performance measurements of encoding and decoding using Sorenson MPEG-4 show maximum performance for the MPEG-4 standard. Sorenson MPEG-4 optimizes memory footprints with its core compression algorithms. And Sorenson Media's emphasis on download size (but not at the expense of quality) has produced an ideal object code size. Sorenson Media's leadership in codec development, such as H.263 (or short-header MPEG-4), has allowed the company to significantly reduce decoder object code size through Sorenson MPEG-4.

Allows you to choose between real-time compression speeds or higher quality video

Allows the compressor to better maintain the target data rate

Ensures that your compression quality doesn't drop below a given level



Allows the compressor to insert information into the bitstream to minimize distortion.

Allows the compressor to detect scene changes for placement of key frames

Protects your content with very secure encryption

Sorenson MPEG 4 Features

Fully compliant with ISO MPEG-4 simple profile codec definition

- Capable of decoding H.263 (short-header MPEG) – allows for backward compatibility and communication between MPEG-4 and H.263.

Exceptional performance

- Block refresh for packet loss correction – minimizes errors in the picture, reduces error propagation, and eliminates errors due to inequalities in forward and inverse DCT
- Media key support through secure encryption – provides very strong protection for content
- Encoders optimized for Macintosh G4 and Intel Pentium II/III (optimized for MMX)

Outstanding video quality

- Automatic scene change detection – when the encoder senses a scene change, it produces a key frame and allocates more resources (bits) to maximize video quality.
- Support for two-pass VBR compression – produces much higher-quality video by distributing bits in an ideal fashion. The first pass analyzes the data; the second pass compresses the data for maximum performance based on the first-pass data profile.
- Compression time packetization for error resiliency to packet loss – minimizes quality degradation due to lost packets by inserting recognizable patterns into the bitstream. If a packet is lost, the decoder automatically picks up at another point. The decoder doesn't have to drop a frame.

System Requirements

Encoder

- QuickTime 4 or later
- Power PC with G3 processor or greater
- Mac OS 8.6 or later
- Pentium II-based PC or greater
- MS Windows 95, 98, ME or 2000
- 128 MB RAM

Playback

- QuickTime 4 or later
- Mac OS 7.5.5 or later
- MS Windows 95, 98, ME, 2000 or NT 4.0
- Sound Blaster or compatible card and speakers
- 32 MB RAM

Customer Support

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To Order

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