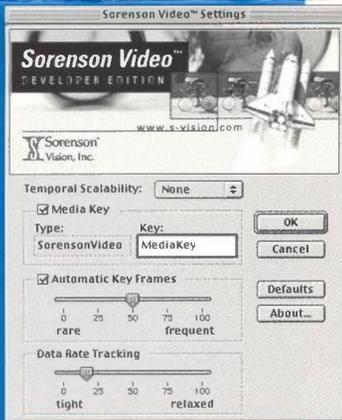# Sorenson Video

QuickTime codec

Video compression has always involved a tradeoff between bandwidth and quality—giving up quality in order to fit the video stream into available bandwidth. We make it easy. With the Sorenson Video QuickTime codec from Sorenson Vision, you can now produce very high quality video, even at low bandwidths.
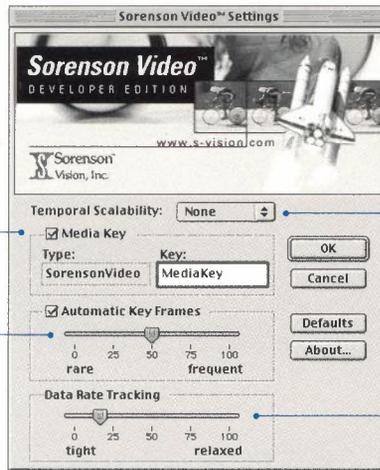
Sorenson Video™ is a QuickTime™ compatible video codec designed for developers of applications or web sites that require compressed video segments. The Sorenson Video system includes a full codec (coder/decoder) for use during production. Decoders for playback are built into QuickTime 3.0. The efficiency of our algorithm makes it possible to decode the video stream without the high-end processors required by other decoders.

The Sorenson Video codec is the result of over ten years research and development and delivers an unparalleled combination of image compression and image quality. The Sorenson Video codec uses new vector quantization techniques, advanced motion compensation, and precise adaptive rate control features. The result is a highly compressed, high-quality video stream for use in multimedia applications, the world-wide-web, or any other application where a high-quality, low-bandwidth video stream is required.

The Sorenson Video codec is a QuickTime 3.0 system extension, allowing users to take advantage of this new codec immediately on any platform that supports QuickTime. Sorenson Video decoders are built into QuickTime 3.0. That means content created with Sorenson Video will play back on any system running QuickTime 3.0.

Sorenson Video

Full Media Key support —

Adjust scene change sensitivity for Key Frame placement.

Sorenson Video™ Settings

Sorenson Video™
DEVELOPER EDITION
www.s-vision.com

Sorenson Vision, Inc.

Temporal Scalability: [None ▼]
☑ Media Key
Type: Key:
SorensonVideo MediaKey

☑ Automatic Key Frames
| | | | | |
0   25   50   75   100
rare   frequent

Data Rate Tracking
| | | | | |
0   25   50   75   100
tight   relaxed

[OK]
[Cancel]
[Defaults]
[About...]

Temporal scalability allows video playback to scale across high-end and low-end machines.

Very precise data rate tracking controlled by the user.

Sorenson Video Codec Features
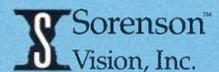
Basic Edition features:

- Any image size
- Frame rate control
- Data rate control
- Flexible key frame intervals

Developer Edition features:

- Full media key support
  Locks video clips for playback only with a password or within a specific application.

- Temporal scalability
  Support for playback at different frame rates according to the playback system's capabilities.

- Smart scene change detection (Auto Key Frame)
  The codec can decide where to place key frames based on content.

- Flexible data rate tracking
  Relaxes data rate tracking to accommodate high motion content.

- Custom "watermarks"
  Create and place your own watermark to trademark or protect video from unauthorized use (must be supported by your video production software).

Advanced Developer Edition features (available when using Media Cleaner Pro™):

- Two-pass adaptive coding
  A two-pass approach to encoding that dramatically improves picture quality in the final result.

- Flat rate coding
  The codec tracks data rate very precisely on a frame-by-frame basis.

- Data-rate spike suppression
  The opposite of Flat Rate Coding, allows data rates to vary frame-to-frame while still achieving overall data-rate compliance.

Sorenson™ Vision, Inc.

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