

Get the most out of your stream with SimulStream...!

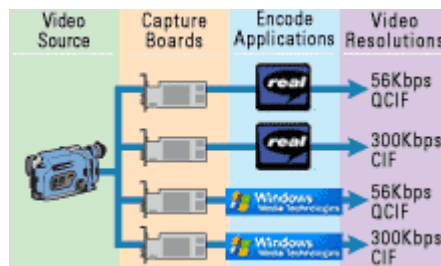
Osprey **SimulStream** is the first premium software upgrade available that extends the capabilities of Osprey video capture cards. **SimulStream** enables a single Osprey video card to output multiple instances of audio and video data from a single input source to multiple applications.

Streaming and Scalability

Streaming media production today faces potential scalability issues. Reaching the broadest audience of media consumers with an optimised experience requires increased production time, hardware and general bandwidth.

Option 1:

Illustrates the optimised streaming scenario based on this fact. In the illustration, the source is being encoded in multiple formats and delivered at various target bitrates. Typical encodes represent 2-3 content types, RealVideo, Windows Media and QuickTime. This is done whilst recognising the diversity in connectivity speeds by delivering multiple data rates, typically 2-5.



Advantages:

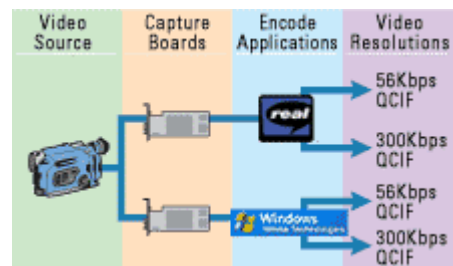
- Optimised streams for maximum client experience.
- Addresses multiple audiences by providing various bitrates.
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Disadvantages:

- Additional format support requires duplication of the above environment.
- Increased physical space limits scalability.
- Increased production time to generate multiple files.
- Increased equipment costs.

Option 2:

To alleviate the scalability issues introduced on Option 1, significant technological advancements were introduced from streaming leaders Microsoft and RealNetworks. These advancements, Multiple Bit Rate (MBR) and SureStream, respectively, provide multiple data rate streams within a single delivered stream. The streaming server then delivers the most appropriate available bitrate for a given view based on the connectivity speed.



Advantages:

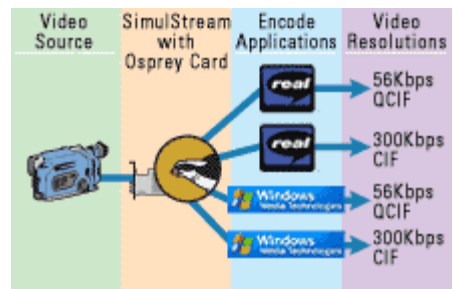
- Minimal investment in streaming hardware for encoding.
- Addresses multiple audiences by providing various bitrates.
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Disadvantages:

- Non-optimised streams for audience profile. All streams are QCIF.
- Great dependency on client server negotiation for delivery of most applicable bitrate.
- Increased CPU load.
- Provides only one format.

The Optimised Solution....SimulStream.

SimulStream is designed to provide the optimised experience of Option 1, with the streamlined workflow in Option 2. The **SimulStream Solution** provides the best of both, with multiple formats to multiple audiences with minimal hardware and CPU loading. Plus the scalability of Option 2 allows multiple formats and individual stream optimisation.



Advantages:

Optimised streams for a diverse internet audience in realtime.
Maximum efficiency without sacrificing quality.
Complete utilisation of latest processor speeds.
Maximum solution density for streaming production.
Reduced hardware costs.

Disadvantages:

NONE!

System Requirements.

Windows NT, Windows 2000, Windows XP or Server 2003

Osprey drivers 2.xx or higher