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Digital video start to finish

With the Osprey-500 DV

The card that launched Internet video raises the bar for streaming media.

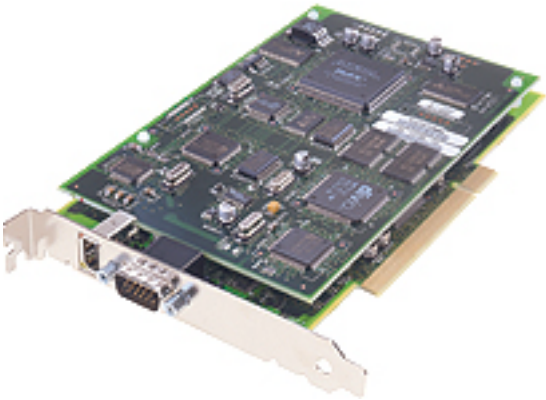
The Osprey-500 DV is a professional-grade video capture card designed to provide streaming video from an analog or digital source. This professional streaming capture card provides unparalleled quality through end-to-end digital encoding and advanced pre-processing features. With these abilities, the Osprey-500 provides digital and analog AV inputs to industry leading streaming applications like, Windows Media Encoder, RealSystem Producer, editing programs, and various authoring programs.

There is now an easy way for video professionals to place their high-quality productions on the Internet and corporate intranets.

The Osprey-500 DV includes an input filter to *de-interlace* video from any of the video sources while capturing in real time. This improves the quality of every video stream – especially for video containing a lot of motion – at any bit rate.

Osprey-500 DV offers professional audio and video input types, providing the same outstanding performance and quality you have come to expect from Osprey Video.

The Osprey-100 video card launched the streaming video on the Internet. Now, the Osprey-500 raises the bar, to deliver broadcast-quality and professionally produced video to the Internet and corporate intranets.



If you've seen streaming video, you've seen Osprey.

ViewCast
OSPREY VIDEO

Osprey-500 DV

Microsoft Windows Media Streaming Goes Pro

With the Osprey-500, streaming media users can create professional-quality streaming video anytime, anywhere.

A special filter developed exclusively by ViewCast increases the quality for digital video streaming – no matter what the video source. And because the Osprey-500 supports digital video and audio standards, it produces the high-quality results.

The Osprey-500 DV opens up a new world of high-end video streaming applications for live broadcasts, television network web sites, intranet broadcasts, training, and any other form of streaming media broadcast requiring the highest-quality video.

DV Capability – Enables real-time streaming from a DV source. The Osprey-500 DV actually *decodes DV video* on the card, then provides digital video for processing to streaming video. This is far superior to most IEEE-1394 solutions, which capture DV data to the host, where it must be decoded on the CPU for display and editing. Decoding on the Osprey card leaves the bulk of your CPU power for creating higher-quality video streams with Windows Media or RealVideo.

Built-in Quality & Versatility

The Osprey-500 DV is a single-slot card that delivers uncompressed digital or analog video and audio to streaming media applications. It includes digital video preprocessing in hardware that can significantly improve video quality for streaming applications. The variety of video and audio inputs supported by the Osprey-500 allows it to meet quality demands across a wide spectrum of professional and prosumer users.

Audio/Video Specifications

Video Input
- Composite (BNC)
- S-Video
- DV (via IEEE-1394 connector)

Audio Input
- unbalanced stereo (RCA connectors)
- balanced stereo (XLR connectors)

Hardware Video Processing
- temporal/spatial de-interlacing filter
- DV decoding
- cropping
- color space conversion
- video scaling

Computing Platforms

- Windows 2000 Professional
- Windows NT 4.0
- Windows XP

Technical Specifications

Hardware/System:
- 32-bit/5-volt PCI card
- full PCI Rev. 2.1 compliance

Software:
- VFW interface, kernel driver, capture driver, documentation
- viewing application
- user's guides for Windows software

Well-Rounded Performance

Audio and video capture performance is meaningless without taking into account how this data is being operated upon (i.e., viewed in a window, saved to disk, encoded in real time or streamed over a network). The Osprey-500 is one card that covers all the performance bases. Advanced DMA capabilities and system software enable it to achieve unparalleled performance on PCs capable of supporting full-motion multimedia.

On systems supporting Direct Draw, the Osprey-500 delivers 640x480 video to the screen in overlay mode at 30 fps, with CPU utilization at about one percent. Once data has been delivered to the streaming application, other factors enter into the end performance, including resolution, encoding bitrate, scene motion content, and smoothness/quality tradeoffs. ViewCast has encoded 640x480 streams at up to 1Mbit/sec at a sustained rate of 30 fps running Windows 2000.

Get the Big Picture

To find out how the Osprey-500 DV can be your gateway to the world of network video, contact:

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Osprey-500 DV: Digital start to finish

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