

Osprey-210 & Osprey-220...

Streaming Video for Everyone!

You don't have to be a large news outlet or major motion picture producer to use streaming video. Even small and medium size corporations can now use streaming video for a myriad of applications including:

- corporate web site promotional video
- intranet videoconferencing
- network based training
- distance learning
- live webcasting
- internal employee communications
- video email
- corporate media presentations
- security surveillance
- ...and many, many more

A World of Video at Your Desktop

The Osprey-210 and Osprey-220 support the major worldwide video and audio source formats as follows:

Video Input Formats:

- NTSC-M
- NTSC-J
- PAL-BDGH
- PAL-M
- PAL-N

Video Formats:

- Packed: RGB32, RGB24, RGB16, RGB15
- Grey8, YUV2 (4:2:2), YUV (4:1:1)
- Planar: YUV12, YUV9

Audio Formats:

- stereo or mono
- 16 and 8 bit sample hardware sample sizes
- 48-kHz, 44.1-kHz, 32-kHz, 22.05-kHz, 11.025-kHz, 16-kHz, 8-kHz sample rates
- Programmable stereo audio gain amplifiers and attenuators

Broad Platform Support

ViewCast.com's Osprey video capture products have a history of supporting all the major video capture driver standards across all Windows OS platforms. This ensures that our customers gain earlier access to a stable Windows capture drivers and application support. Osprey was the first card to offer Windows NT support (in March 1996) and the first to take advantage of Direct Draw in NT 4.0. The Osprey-210 and Osprey-220 products run under Windows 95/98/ME as well as Windows NT 4.0 and Windows 2000 (with Direct Draw support) for Intel processors.

Endorsed by Leading Application Providers

The Osprey-210 and Osprey-220 strictly comply with popular video standards enabling them to support virtually all Windows-based video applications that utilize standard Windows driver API's. Some of the most popular applications supported by the Osprey-210 and Osprey-220 include:

Internet/Intranet Streaming:

- Microsoft Windows Media
- RealNetworks RealVideo 8

Intranet Video Multicasting:

- CISCO IP/TV

Videoconferencing:

- Microsoft NetMeeting
- White Pine CU-See-Me
- Lucent's MMCX H.323

Video Editing:

- Sonic Foundry Vegas Video
- Adobe Premiere
- Ulead VideoStudio & MediaStudio Pro
- MGI VideoWave II & III

Video Processing:

- Excalibur Screening Room™
- Virage VideoLogger™
- Pictron Video Gateway™

Video Cataloging & Asset Management:

- Excalibur Screening Room™
- Virage VideoLogger™
- Pictron Video Gateway™
- MediaSite Publisher™

Well-Rounded Performance

Performance is meaningless without taking into account quality and CPU use. The Osprey-210/Osprey-220 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-210/Osprey-220 delivers 640 x 480 video to the screen in overlay mode at 30 fps, with CPU utilization at about 1 percent. Once data has been delivered to the application, other factors enter into the end performance, including resolution, encoding bitrate, scene motion content, and smoothness/quality trade off. Viewcast.com has encoded 640 x 480 streams at up to 1Mbit/sec at a sustained rate of nearly 30 fps on Windows 2000.

System Requirements

The recommended minimum system configuration is a Pentium II 233Mhz or equivalent PC running Windows 95/98/ME with 32 MB of system memory or Windows NT/2000 with 64MB of system memory and minimum 16 bit graphics card supporting direct draw.

Technical Specifications

Hardware/System:

- 32-bit/5-volt PCI card
- Full PCI Rev. 2.1 compliance
- NTSC and PAL video formats supported
- Composite video input (BNC connector)
- S-Video input
- 3.5mm mini stereo audio input (Osprey-210 only)
- 3.5mm mini stereo audio output
- Stereo XLR balanced audio input (Osprey-220 only)
- Audio/Video input breakout box (Osprey-220 only)
- Optional single 1u rack-mount dual audio/video input unit (Osprey-220 only)

Software:

- VFW interface, kernel driver, capture driver, documentation
- Optional programming SDK with documentations and examples
- Windows 95, Windows 98, and Windows ME (one board per system)
- Windows NT 4.0, Windows 2000 (up to 6 boards per system)
- Viewing and capture application
- User's guides for Windows 95/98/ME, Windows NT and Windows 2000
- RealPlayer 8 & RealProducer 8 from RealNetworks

Get the Big Picture

To find out how the Osprey-210 and Osprey-220 and other ViewCast.com products can be your gateway to the world of network video, contact:

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