

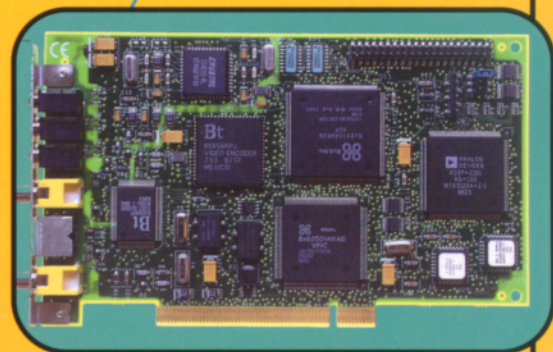


**You'll find one thing  
missing in the Osprey-1000...**

**Multi-codec, multi-streaming, multi-purpose.  
All in one card.**

The Osprey-1000 is the one video/audio codec that can handle all of your video communication needs. While most video cards are hard-wired for a single type of coding, the Osprey-1000 is programmable and compatible with the most popular video and audio algorithms. You have the freedom to use the same card for streaming video on the Internet and intranets, or videoconferencing over a network or ISDN line.

An array of Osprey-1000s gives you the power to encode multiple RealNetworks G2 video streams simultaneously on a single-CPU computer. Handling those streams uses only a small portion of your CPU, leaving plenty of reserve power for video cataloging, office applications and other tasks. It's no wonder that the Osprey-1000 is the hardware codec that drives applications from RealNetworks, Lucent, Sun Microsystems, FVC.com, and network-video developers worldwide.



**...the load on your CPU**

## A World of Video at Your Desktop

The Osprey-1000 doesn't play favorites. It supports industry-standard compression formats and a range of computer operating systems. You have the flexibility to open a new world of video communication applications, including Internet streaming video, telemedicine, distance learning, intranet video-conferencing, security/surveillance, room-based H.320 videoconferencing, and LAN-based H.323 videoconferencing.

### Video and Audio Compression Formats:

- Video compression: H.261, H.263, H.320 (requires ISDN card), JPEG, RealNetworks G2 (optional)
- Video capture: YVU9, YUYV, RGB555, RGB565, RGB-8bit
- Audio compression: G.728, G.723, G.722, G.711 (m law/Alaw), PCM (8-, 16-bit)

### Computing Platforms:

- Windows 95/98
- Windows NT 3.51 and 4.0 (with Direct Draw support)
- Versions for Sun Solaris (Osprey-1100/1500)

### Applications:

- RealNetworks RealProducer G2
- Lucent's MultiMedia Communications eXchange Server (MMCX)

- Precept IP/TV
- White Pine CU-See-Me
- Sun Forum
- ViewCast.com's WorkFone 320 H.320 videoconferencing

## Performance for the Real World

Beyond sheer numbers, performance means doing what users want, at the speed in which they want to do it, and with an acceptable level of quality. The more the user can control performance, the better. The Osprey-1000 gives users the flexibility to configure peak bitrate, image quality and other factors that impact performance.

Audio plays a strong role in the performance and quality equation. A videoconference with good audio, for example, will have higher perceived video quality than one with poor audio. Again, flexibility is a factor. The Osprey-1000 offers a wide variety of audio modes, allowing users to select the best compression format for their application.

## The Heart of the Osprey

The Osprey-1000 includes all the vital elements of a strong video subsystem architecture: a highly-integrated video compression engine, a high-speed interface to the host bus, and versatility – video input to the card can be either NTSC or PAL, composite or S-Video, and audio compression can be performed by either the on-board DSP or by the video processor. Perhaps best of all,

the Osprey-1000's architecture is practical – the PCI and SBus versions of the card use the same video and audio processing logic; only the bus interface logic is different.

The Osprey-1000 incorporates the following physical interfaces:

### Host:

- 1/2-slot PCI bus
- single-width SBus

### Video:

- two analog video inputs (NTSC or PAL, composite and S-Video)
- one analog video output (NTSC or PAL) (Note: Used ONLY for decompressed video; not a general-purpose video out)

### Audio:

- line in or mic in
- line out, headphone out

## Customized to Fit Your Needs

ViewCast.com can provide tailored versions of Osprey-1000 hardware and software for ISVs and OEMs. Software development kits are also available for individual customization needs.

## Get the Big Picture

To find out how the Osprey-1000 and other ViewCast.com products can be your gateway to the world of network video, contact:

**ViewCast.com**  
**Osprey Technologies Division**  
 919-319-9200 phone  
 919-319-9814 fax  
 info@viewcast.com  
 www.viewcast.com

## Osprey-1000, 1500 Performance

	REAL NETWORKS G2 ENCODER	REAL NETWORKS G2 ENCODER	H.261	H.261	H.263	H.263	UNCOMPRESSED	JPEG BASELINE (ENCODER ONLY)
IMAGE SIZE	QCIF	CIF	QCIF	CIF	QCIF	CIF	Sub QCIF to full screen (full screen only Solaris)	QCIF/CIF
PLATFORM	OSPNEY-1000, NT ONLY (currently)	OSPNEY-1000, NT ONLY (currently)	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS	OSPNEY-1000 WIN NT/95/98; OSPNEY-1500 SOLARIS
PEAK FRAME RATE (fps)	30	20	30	22 (CODEC); 30 (ENCODE OR DECODE)	30	20	30	30
IMAGE DEPTH	4:1:1 YUV	4:1:1 YUV	4:1:1 YUV	4:1:1 YUV	4:1:1 YUV	4:1:1 YUV	16 BIT - 24 BIT (YUV and RGB)	4:1:1, 4:2:2, 2:1:1
API	REALPRODUCER G2 SDK	REALPRODUCER G2 SDK	OPI, VFW, XIL	OPI, VFW, XIL	VFW, OPI	VFW, OPI	VFW, XIL, OPI	VFW, XIL, OPI
% CPU (PII 400 approx)	10% (with audio)	15% (with audio)	VARIABLE - 2%	VARIABLE - 2%	VARIABLE - 2%	VARIABLE - 2%	DISK WRITE LIMITED	VARIABLE - 2%
BITRATE (KBITS)	20-500 (with audio)	20-500 (with audio)	64-768	64-768	8-192	8-192	7-28 Mbytes/sec	.1-4 MBIT
H/W OR S/W	H/W COMPRESS, S/W PLAYER	H/W COMPRESS, S/W PLAYER	H/W CODEC	H/W CODEC	H/W CODEC	H/W CODEC	NA	H/W COMPRESS

**One card. The whole, wide world of network video.**