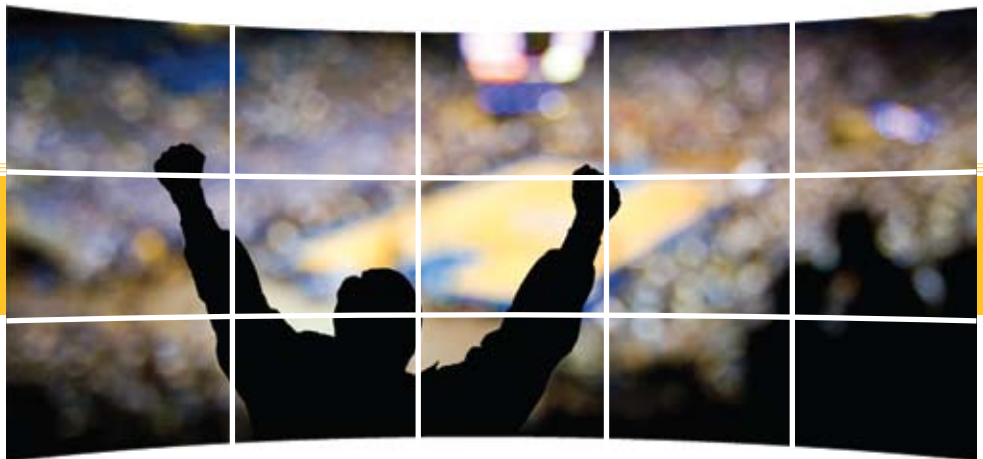




Osprey-450e

Video Capture Card

ViewCast - world class streaming hardware and software trusted by video professionals since 1994.



Ideal Users and Applications

- **BROADCASTERS**
used in broadcast and advertising monitoring applications, due to density requirements
- **GOVERNMENT**
used for traffic and surveillance cameras due to density requirements, as well as mobile encoding due to low CPU requirements, enabling many simultaneous channels
- **DIGITAL SIGNAGE INTEGRATORS**
used for digital signage applications, due to system cost and density requirements
- **GLOBAL OEM SYSTEMS INTEGRATORS**
seeking a single-solution deployment strategy that supports global analog standard-definition formats, including NTSC, PAL and others.

Osprey-450e

Multi-Channel PCI Express Power

ViewCast is proud to introduce the latest cutting-edge addition to the Osprey® PCI Express® family: the Osprey-450e 4-channel professional analog video capture card. Legendary Osprey quality for the latest PC architectures. Designed especially for the high-speed PCIe® bus. *Think performance!*

Reduce System Costs via Multi-Channel Video Capture

The Osprey-450e is a PCI Express card designed to simultaneously capture four individual channels of analog video and unbalanced stereo audio signals and process them independently, minimizing internal PC space requirements. The channel density offered by the Osprey-450e dramatically reduces total system cost by increasing the capture capacity within a single system.

The Osprey-450e includes additional internal video inputs and 4 additional balanced audio inputs that can be switched in as alternatives to the rear panel connectors. The internal video inputs include the selection of component or Y/C (S-Video) for each of the 4 channels.

Familiar features of other Osprey multimedia-class cards have also been incorporated, including options for Osprey SimulStream® cropping, logo overlay and VBI data extraction.

Multiple cards may be also used in a single system chassis. And the Osprey-450e is compatible with the Osprey SDK for development of media applications

supporting DirectShow®.

Optimized for the Latest PC Architectures

PC manufacturers have adopted the PCI Express (PCIe) bus as the latest high-throughput internal bus architecture. The best PC graphics cards use this bus because it unleashes the power of modern multi-core PC engines.

ViewCast chose the PCI Express bus for the Osprey-450e for the same reasons – unfettered access to all PC resources. No bottlenecks, no mysterious glitches, no unexplained hiccups, no random data collisions. Just smooth, unadulterated power. Power that can support multiple Osprey PCIe cards in one system.

Optimized for Live Streaming

Take advantage of the Osprey-450e card's Designed for LiveSM features, such as logo bitmap overlay with transparency and positioning controls. Automatically detect and adapt on-the-fly when the input video format changes from movie frame rates to television frame rates. The Osprey-450e can do the job today and it's ready for your future applications.

Multiple Streams per Input

Purchase the Osprey-450e with Osprey SimulStream to feed audio and video to multiple encoders at the same time. Use it with ViewCast Niagara SCX® to easily create and manage live streams in RealVideo® and Windows Media®, at the same time, in any combination. Or create multiple same type streams with completely independent settings for sizing, scaling, logos, and bit rates.

Osprey 450e



PCI
EXPRESS

Think performance!

Osprey-450e Multi-Channel PCI Express Power

Global Standards Support

Like all Osprey cards, the Osprey-450e supports global analog standard-definition (SD) formats, including NTSC, PAL, and most others used throughout the world. If you are a global OEM integrator seeking a single-solution deployment strategy, this card's for you.

Professional Features for Broadcasters

Professional-grade features, such as color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content, make this a perfect choice for broadcasters.

We've also added the broadcaster-requested feature "Loss of Video Detection" that lets you automatically substitute internally-generated SMPTE color bars with an optional text overlay.

Industry-Proven Performance

Over 300,000 Osprey cards are out in the marketplace worldwide being used in a variety of broadcast, commercial and industrial applications. You'll find Osprey capture cards in mission-critical applications throughout the world.

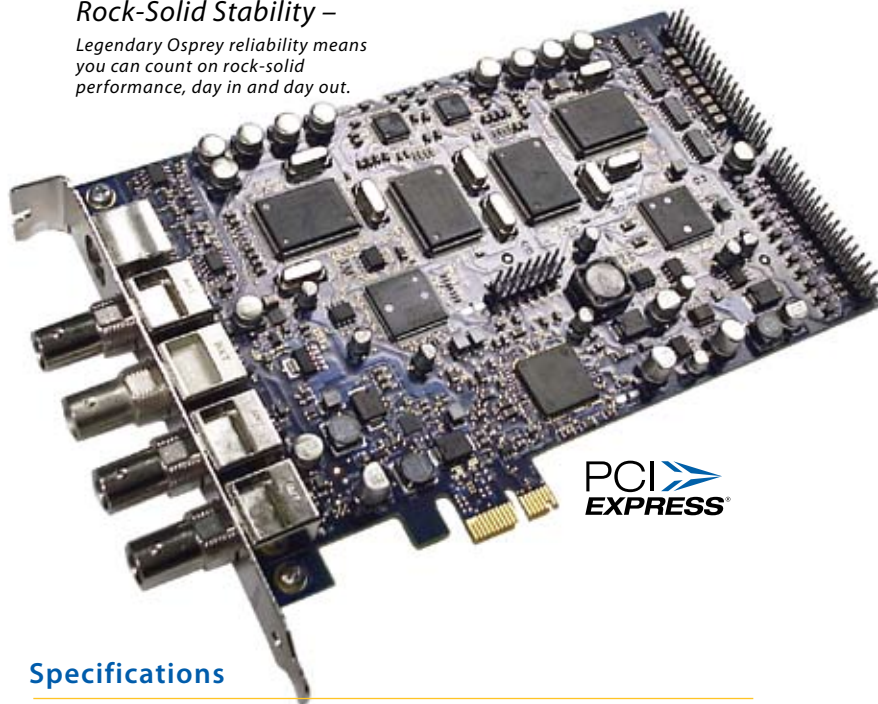
Compatible with Popular Application Software

The Osprey-450e works with popular video capture and encoding applications, including our own Niagara SCX multi-codec streaming manager.



Rock-Solid Stability –

Legendary Osprey reliability means you can count on rock-solid performance, day in and day out.



Specifications

- Video Input: 4 Composite (RCA)
- Audio Input: Unbalanced stereo (RCA via included breakout cable)
- PCIe (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- Drivers available for Microsoft® Windows® operating systems

Features

- Supports MPEG-4, Adobe Flash, RealNetworks and Windows Media
- 4 Composite video inputs and Unbalanced Stereo audio inputs
- Install multiple cards per chassis, or mix-and-match with other Osprey cards
- One-lane (X1) PCIe connector plugs in to any PCIe slot (X1, X4, X8, or X16) for maximum flexibility
- Supports Wide Screen Signaling (WSS) flag for automatic 16x9 capture
- Customized messaging superimposed on color bars upon loss of video signal
- Hardware audio gain control
- Closed Caption extraction
- Hardware Cropping and Bitmap Overlay
- High-performance PCIe technology
- Available with SimulStream
- Niagara SCX ready: Remote encoder management and control software

Think performance!