

# Osprey® 450e

Video Capture Card



## Multi-Channel PCI Express® Power

The Osprey 450e 4-channel professional analog video capture card provides the legendary Osprey quality for the latest PC architectures. Designed especially for the high-speed PCIe® bus.

### Reduce System Costs via Multi-Channel Video Capture.

The Osprey 450e is a PCI Express card designed to simultaneously capture four independent 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 A/V option 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 or 3 additional composite inputs for a total of 16 composites inputs per card.

### 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 with unfettered access to all PC resources. 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 Live 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 SimulStream® to feed audio and video to multiple encoders at the same time. Use it with ViewCast Niagara SCX® Standard 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.

### Ideal Solution for:

- > Broadcasters
- > Government
- > Digital Signage Integrators
- > Global OEM System Integrators

### Applications

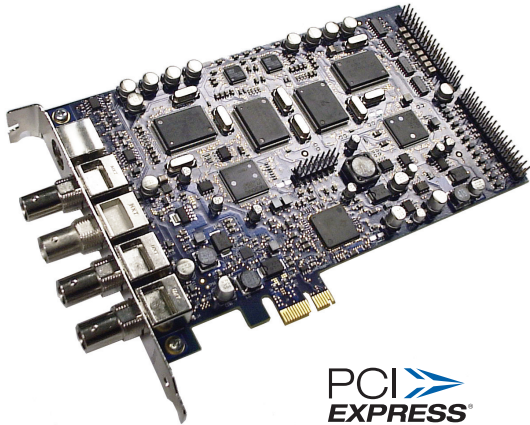
- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video-on-demand

### Key Attributes

- > Hardware audio gain control
- > Closed Caption extraction
- > Hardware Cropping and Bitmap Overlay
- > Available with factory-enabled SimulStream
- > Customized messaging superimposed on color bars upon loss of video signal
- > Supports Wide Screen Signaling (WSS) flag for automatic 16x9 capture
- > Install multiple cards per chassis, or mix-and-match with other Osprey cards
- > Works with popular video encoding applications

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### Optional Break-out Audio and Video Panels



1 x 1RU 8 channels Composite and Unbalanced audio



1 x 1RU 8 channels Balanced stereo audio inputs (XLR)



1 x 1RU 8 channels component, Y/C (S-Video) video input or 24 Composite video inputs

### Encoding Formats

- DirectShow® compatible

### Inputs:

#### Video:

- Composite (BNCx1)
- Y/C (BNCx2) (Optional)
- Component (BNCx3) (Optional)

#### Audio:

- Unbalanced stereo (2 x RCA)
- Balanced stereo (2 x XLR) (Optional)

### Connectivity:

#### PCI Express (X1):

- Slots: X1, X4, X8, or X16

### Processing:

#### Pre-processing:

- Scaling, cropping, de-interlacing, inverse telecine, closed caption rendering

### Dimensions:

- Full Height, Half Length Board
- 6.60" L x 4.38" H (16.77cm L x 11.12cm H)

### Hardware Warranty:

- 2 Year limited hardware warranty



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