Experience the power of multi-channel Osprey technology.

The Osprey 460e is a powerful, professional-grade card capable of capturing and streaming multiple independent channels, simultaneously. Ideally suited for high-density encoding applications, the Osprey 460e will streamline your workflow as it provides the highest possible video quality for your capture and streaming applications.

Reduce system costs.

With its PCI Express® (PCIe) architecture, the Osprey 460e is 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 460e dramatically reduces total system cost by increasing the capture capacity within a single system.

The Osprey 460e A/V option provides additional video inputs and four stereo balanced audio inputs to the rear panel connectors. The optional 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 switchable composite inputs per card.

Designed for the latest PC architectures.

PC manufacturers have adopted the PCIe bus as the standard for high-throughput internal bus architectures. Osprey cards optimize this architecture and unleash the power of modern multi-core PC engines with unfettered access to all PC resources. This capability means more power for your most demanding streaming applications.

Optimized for live streaming.

Take advantage of advanced video pre-processing features such as logo/bitmap overlay with transparency and positioning controls, de-interlacing and closed-caption extraction and rendering. The Osprey 460e automatically detects and adapts on-the-fly when the input video format changes from movie frame rates to television frame rates.

Multiple streams per input.

Add SimulStream® to the Osprey 460e and stream to multiple devices – in various formats, bit rates and resolutions – simultaneously, from a single video source. You can deliver multiple streams from a single channel in Adobe® Flash®, Microsoft® Windows (*Silverlight*™), 3GPP or H.264 formats all at the same time. The Osprey 460e is the ideal solution to meet the demands of today's multi-platform digital media marketplace.

Ideal Solutions

- Broadcasters
- Government
- Digital signage integrators
- OEM systems integrators

Applications

- Webcasting
- Live streaming
- Podcasting
- Mobile TV
- Video on Demand
- Surveillance

Key Attributes

- Hardware audio gain control
- Closed-caption extraction
- Cropping and bitmap overlay
- Available with factory-enabled SimulStream
- Customized messaging generated upon loss of video signal
- Supports Wide Screen Signaling (WSS) flag for automatic 16 x 9 capture
- Install multiple cards per chassis, or mix-and-match with other Osprey cards
- Works with popular video encoding applications
- Drivers available for Microsoft® operating systems

ViewCast®
Powering the Future of Digital Media

ViewCast®

Powering the Future of Digital Media

OSPREY® 460e

Video Capture Card

PCI EXPRESS®

Optional Breakout Audio and Video Panels

95-00460 Osprey 400 Series Breakout Panel

1 x 1RU 4 channels composite and 4 stereo channels unbalanced audio

95-00462 Osprey 400 Series Balanced Audio Panel

1 x 1RU 4 stereo channels balanced stereo audio inputs (*XLR*)

95-00463 Osprey 400 Series Component Video Panel

1 x 1RU 4 channels component, Y/C (*S-Video*) video input or 12 additional composite video inputs

Breakout Cable (*included*)

Driver Support:

- Microsoft® DirectShow® API

Inputs:

Video:
- 4 composite (*BNC x 4*)
  (*BNC - RCA adapters included*)
  (*additional BNC x 12 optional*)
- 4 Y/C (*BNC x 8*) (*optional*)
- 4 component (*BNC x 12*) (*optional*)

Audio:
- 4 Unbalanced stereo (*RCA x 8*)
- 4 Balanced stereo (*XLR x 8*) (*optional*)

Video Format:

- NTSC/PAL

Connectivity:

PCIe (*x 1*):
- Slots: x 1, x 4, x 8, or x 16
- PCIe 2.0

Pre-Processing:

- Logo/bitmap overlay
- Closed-caption extraction/rendering
- Scaling, cropping, de-interlacing and inverse telecine
- Loss of video automatic test pattern generation with text overlay option

Dimensions:

- Full-height / half-length board
- 6.60" L x 4.38" H
  (*16.77 cm L x 11.12 cm H*)

Hardware Warranty:

- 1 year limited hardware warranty

System Requirements:

- Video capture requires intense bandwidth across the system bus, CPU, and memory. North Bridge PCIe slots are strongly recommended.
- Multi-core processors are recommended to run video applications.

RoHS compliant

Windows Media

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