



Designed for live in HD with SD switching on-the-fly.

ViewCast's first high-definition (HD) card for the Osprey® family, the Osprey 700e HD comes with standard-definition (SD) switching on-the-fly, legendary Osprey performance, and the latest PCI Express® (PCIe) technology.

Already making a splash, the Osprey 700e HD won Streaming Media's Readers Choice Award and TV Technology magazine's STAR Award.

Designed for live exclusive adaptive features.

The Osprey 700e HD card comes with features that distinguish it from many cards used for ingesting video into video editing systems or other applications.

Multiple streams per input.

The Osprey 700e HD includes SimulStream® that

allows you to:

- *Feed multiple encoders at the same time.*
- *Use with a variety of available streaming codecs to easily create and manage live streams.*
- *Support SD and HD streams.*
- *Create multiple streams of the same type with completely independent settings for sizing, scaling, logos and bit rates.*

Industry-proven performance.

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

Ideal Solutions

- > Broadcasters
- > Government
- > Global OEM systems integrators

Applications

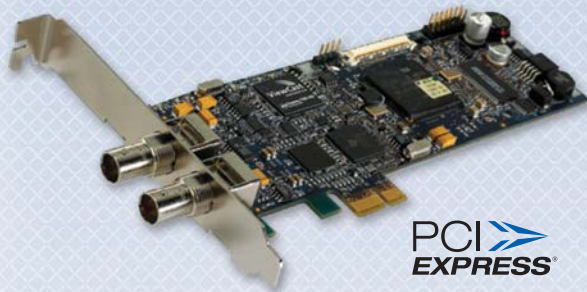
- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video-on-demand

Key Attributes

- > Accepts both standard definition and high definition inputs
- > Automatically adapts between SD and HD signals
- > On-the-fly HD to SD downscaling
- > High-powered PCIe bus for maximum performance
- > SimulStream option enables:
 - *Completely independent settings for sizing, scaling and bit rate speeds, plus logo overlays with dynamic positioning*
 - *A multitude of simultaneous video format outputs*
 - *Video on Demand (VOD) allows your live stream to become instantly available*
- > Low-profile architecture for form-factor constrained environments
- > Professional broadcaster features, such as loss of video detection, color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content

OSPREY® 700e HD

Video Capture Card



Supported Modes

1920 x 1080/60/i	1280 x 720/30
1920 x 1080/59.94/i	1280 x 720/29.97
1920 x 1080/50/i	1280 x 720/25
1920 x 1080/30/p	1280 x 720/24
1920 x 1080/29.97/p	1280 x 720/23.98
1920 x 1080/25/p	720 x 480/30/i
1920 x 1080/24/p	720 x 480/29.97/i
1920 x 1080/23.89/p	720 x 576/25/i
1280 x 720/60	720 x 576/50/p
1280 x 720/59.94	720 x 576/25/p
1280 x 720/50	

Driver Support:

- Microsoft® DirectShow® API

Inputs:

- Video:
 - SDI (BNC x 1)
- Audio:
 - Embedded SDI (16 channel)

Outputs:

- Video:
 - SDI pass through
- Audio:
 - Embedded SDI

Connectivity:

- PCI Express (x 1):
 - Slots: x 1, x 4, x 8, or x 16

Pre-Processing:

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

Dimensions:

- Half-height / half-length board
- 6.60" L x 2.71" H (16.77cm L x 6.89cm H)
- Includes low-profile bracket

Hardware Warranty:

- 1 year limited hardware warranty

System Requirements:

- High-definition video requires intense bandwidth across the system bus, CPU, and memory. Motherboards with DDR3 memory architecture is highly recommended.
- Multi-core processors (4 or more) are recommended to run video applications.



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