



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

Osprey® video technology sets the industry standard for high-quality, rock-solid streaming performance. The Osprey 700e HD is ideal for high-definition ingest and comes standard with SD switching on-the-fly, legendary Osprey performance, and high-powered PCI Express® (PCIe) technology for maximum performance.

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.

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, such as loss of video detection, color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content.

Industry-proven performance.

More than 400 K 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

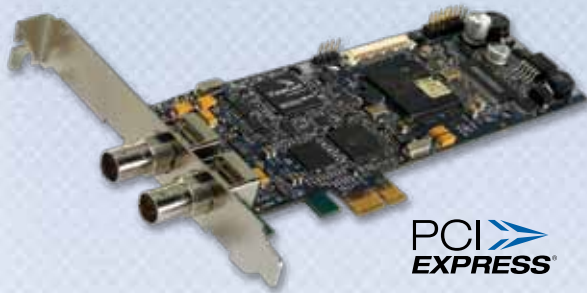
- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video-on-demand

Key Attributes

- > Accepts both SD and HD 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
- > 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 1080/23.98/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	

* PsF modes have not been tested.

Driver Support:

- Microsoft® DirectShow® API

Inputs:

Video:

- SDI (BNC x 1)

Audio:

- Embedded SDI (16 channel)

Loop Outputs:

Video:

- SDI pass through

Audio:

- Embedded SDI pass through

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. North Bridge PCIe slots are strongly recommended.
- Multi-core processors (4 or more) are recommended to run video applications.

