Osprey® 700e HD
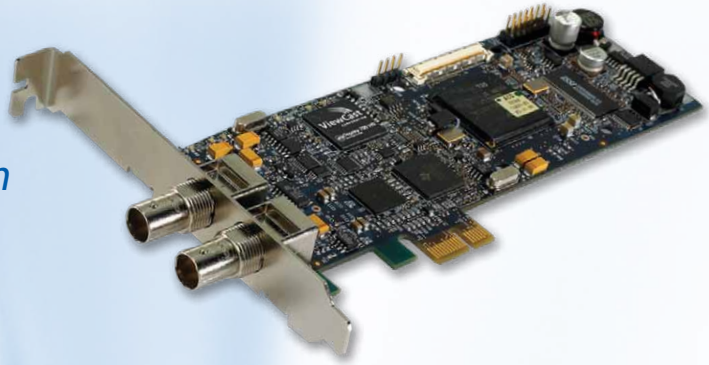
Video Capture Card

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

Osprey video technology sets the industy standard for high-quality performance. The Osprey 700e HD is ideal for high-definition ingest and comes standard with SD/HD switching on-the-fly 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 adaptive features on the Osprey 700e HD card 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.

Ideal Solutions

> Broadcasters

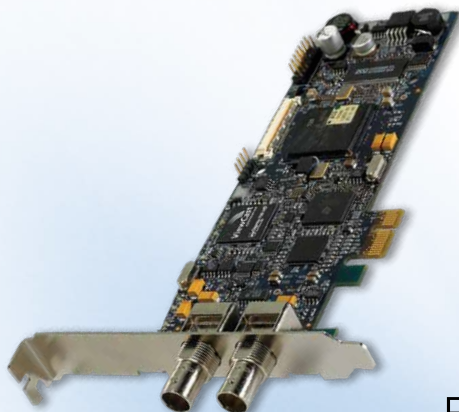> Government

> 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

Delivering Video Whenever, Wherever

ViewCast®

OSPREY® 700e HD
Video Capture Card

Specifications

Driver Support:
- Microsoft® DirectShow® API

Inputs:

Video:
- SDI (*BNC x 1*)

Audio:
- Embedded SDI (*16 channel*)

Loop Outputs:

Video:
- SDI monitor out

Audio:
- Embedded SDI monitor out

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.

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.

ViewCast® Delivering Video Whenever, Wherever

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