Osprey® 845e

Video capture card

Designed for multiple SDI inputs in a single device.

The Osprey 845e is ideal for high-density applications with several input channels in a single device. It includes SDI support for both SD and HD as well as embedded audio in the SDI. This high-density SDI capture card has four independent SDI channels.

A solution for every need.

This card is designed to suit different needs. Capture up to four HD/SD or two 3G independent professional broadcast SDI video sources simultaneously. This one capture card supports three formats:

- 3G SDI (424M)
- HD SDI (292M)
- SD SDI (259M)

Multiple streams per input.

The Osprey 845e 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.

Ideal Solutions

- > Broadcasters
- > Enterprise
- > Education
- > Government
- > Global OEM Systems Integrators
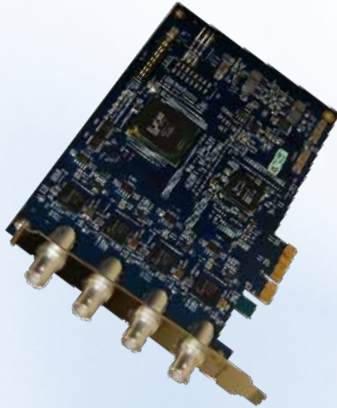
Applications

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

Key Attributes

- > Accepts 3G, HD, and SD SDI 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*
- > Professional features, such as loss of video detection, color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content
- > Drivers available for Microsoft® Windows® and Linux operating systems

ViewCast®

Delivering Video Whenever, Wherever

OSPREY® 845e
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	

Supported modes for 3G SDI limited to two SDI inputs

1920 x 1080/60/p	1920 x 1080/59.94/p
1920 x 1080/50/p	

Specifications

Driver Support:
- Microsoft® DirectShow® API
- Linux Driver - Q4-2012

Inputs:

Video:
- SDI (*BNC x 4*)

Audio:
- Embedded SDI (*4 stereo pair per SDI channel*)

Connectivity:

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

Pre-Processing:
- Closed-caption extraction/rendering (*CEA-608/CEA-708*)
- Logo / bitmap overlay
- Scaling, cropping, de-interlacing and inverse telecine
- Loss of video automatic test pattern generation with text overlay option

Dimensions:
- Full height
- 6.60" L x 4.38" H (*16.76cm L x 11.13cm H*)

SDI Compliance:
- 4 inputs - SMPTE 259M, SMPTE 292M
- 2 inputs - SMPTE 424M

Hardware Warranty:
- 2 year limited hardware warranty

System Requirements:
- High-definition video requires intense bandwidth across the system bus, CPU, and memory. CPU Direct or North Bridge PCIe slots are required.
- Multi-core processors (*4 or more*) are recommended to run video applications.

ViewCast®
Delivering Video Whenever, Wherever

RoHS compliant

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