Osprey® 825e

Video Capture Card

High-quality streaming in a compact size.

The Osprey 825e provides high-quality streaming performance in a compact option. Now, customers can capture two SDI inputs in a low-profile form factor. This dual input card can ingest 3G, HD and SD SDI and automatically adapts between standard- and high-definition signals.

Optimized for live streaming.
Take advantage of advanced video pre-processing features such as logo/bitmap overlay with transparency and positioning controls, de-interlacing, color space conversion and closed-caption extraction and rendering.

Multiple streams.
The Osprey 825e also comes standard with SimulStream®. This driver enhancement provides the ability to feed multiple encoding applications at the same time.

Ideal Solutions

> Broadcasters

> Enterprise

> Education

> Government

> Global OEM system 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

> PCIe host interface

> 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®; Linux operating systems driver available early 2013

ViewCast®

Delivering Video Whenever, Wherever

OSPREY® 825e
Video Capture Card

Osprey 825e card

Osprey 825e low-profile bracket

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

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

Specifications

Driver Support:
- Microsoft® DirectShow® API
- Linux (*expected availability Q4 2013*)

Inputs:

Video:
- 2x SDI (*BNC x 2*)
  - 3G SMPTE 424 M
  - HD SMPTE 292 M
  - SD SMPTE 259 M

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

Connectivity:

PCI Express (*x 4*):
- Slots: x 4, x 8, or x 16
- PCIe 1.1

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:
- Low-profile form factor
- 6.60" L x 2.71" H (*16.76 cm L x 6.88 cm H*) (*includes low profile bracket*)

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®
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