



Osprey[®]

by VARIOSYSTEMS

Continue the Legacy, Capture the Future

Osprey[®] 816e

Video capture card

Single Input 3G SDI or DVB-ASI

Ideal for high-density applications, the Osprey 816e card features a single highly configurable input.

Four Input Formats

- 3G SDI (424M)
- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)

Embedded SDI audio

Four stereo audio pairs.

Additional Audio Options with the 800a Audio card



Osprey 816e

Osprey SimulStream[®]

A standard feature on all Osprey 800 series cards, SimulStream allows each input to produce multiple parallel output streams with completely independent settings for color space, cropping, scaling, closed caption and overlays facilitating simultaneous delivery to multiple applications.

Additional Features

Signal Loss: In the event of signal loss, the Osprey card automatically replaces the lost video with color bars with options for text overlay and audio tones. This feature helps prevent unplanned stoppage of downstream applications upon signal loss.

Video Pre-Processing

- VBI/VANC closed-caption extraction/on-screen rendering
- Logo/bitmap overlay
- Scaling, cropping, de-interlacing and inverse telecine
- ProcAmp control
- Vector Scope and Lumi Scope

Driver Support

Microsoft[®] DirectShow[®] API

Linux

Osprey SDK:

An Osprey SDK is also available to allow developers to take full advantage of the Osprey 800e driver capabilities.

Osprey 800a Audio Input Expansion board

The Osprey 800a audio input card is a separate expansion board that adds two pairs of balanced audio via XLR connectors along with two additional pairs that can be configured as either unbalanced (RCA), AES/EBU (XLR) or SPDIF (RCA).

See the Osprey 800a audio input card datasheet for details.



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Specifications

Description:

One channel SDI HD/SD DVB-ASI

Format:

PCI Express (x 4):

- Slots: x 4, x 8, or x 16

PCIe 1.1

Video Input:

3G SMPTE 424M

HD SMPTE 292M

SD SMPTE 259M

DVB-ASI

Video Connector:

SDI (BNC)

Video Modes:

1080i 50, 59.94, 60

1080p 23.98, 24, 25, 29.97, 30

720p 23.98, 24, 25, 29.97, 50, 59.94, 60

720 x 480 29.97, 30/i (NTSC)

720 x 576 25/i (PAL)

720 x 576 25, 50/p

3G SDI:

1080p 50, 59.94, 60

Audio Input:

Embedded SDI: 4 stereo pairs

Optional: 2 x stereo unbalanced RCA*

Optional: 2 x stereo balanced XLR*

Optional: 2 x stereo balanced XLR or AES/EBU or SPDIF*

**With available Osprey 800a audio card*

Adapter:

None

Available Drivers:

Microsoft Windows

Linux

For more information on the latest OS compatibility, please visit

www.ospreyvideo.com

Dimensions:

6.60" L x 2.71" H (16.76cm L x 6.88 cm H)

Low profile

Weight:

≈70g

Power Consumption:

6.3 W

Environment

Operating Temp Range: 0° to 40° C

Storage Temp Range: -40° to +75° C

Rel Humidity Operating: Between 5 % and 80 % (noncondensing)

Rel Humidity Non-Operating: 95 % RH (non-condensing); gradient 30% per hour

System recommendations:

High quality video capture requires a PCIe bus with direct access to the CPU

Warranty:

1 year limited hardware warranty

In the Box:

Low-profile bracket