Osprey® 840e
Video capture card

Four Input HD/SD SDI or DVB-ASI

Ideal for high-density applications, the Osprey 840e card features four independent, highly configurable input channels.
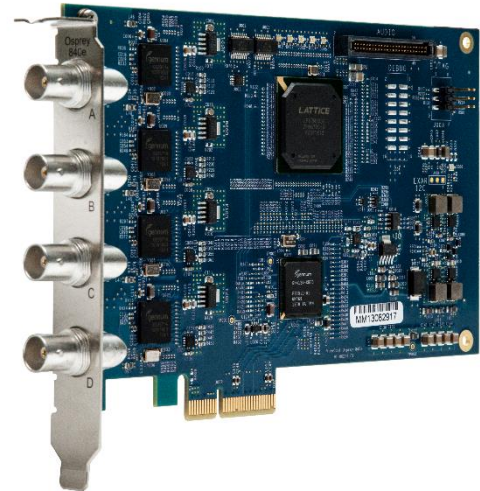
Three Input Formats
- *HD SDI (292M)*
- *SD SDI (259M)*
- *DVB-ASI MPTS/SPTS (Windows only)*

Fully Independent Inputs
All inputs are clock independent, which allows for different input formats on each input.

Embedded SDI audio
Four stereo pairs are available per input.

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 Luma 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 an two additional pairs that can be configured as either unbalanced (RCA), AES/EBU or SPDIF (RCA).

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

Specifications

Description:
Four channel SDI HD/SD DVB-ASI

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

Video Input:
HD SMPTE 292M x 4
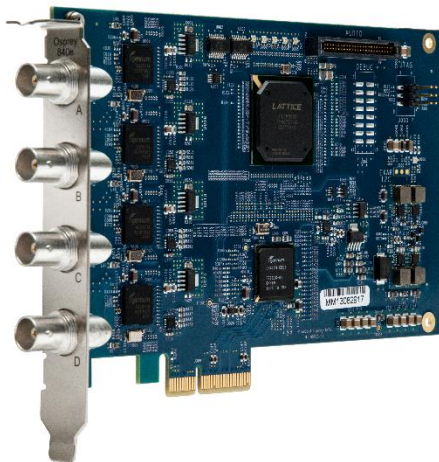SD SMPTE 259M x 4
DVB-ASI X4

Video Connector:
SDI (BNC x4)

Optional Audio Features:
Optional: 2x stereo balanced XLR*
Optional: 2x stereo unbalanced RCA*
Optional: 2x stereo balanced XLR or AES/EBU or SPDIF*
*with available Osprey 800a input card

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

Audio Input:
Embedded SDI (4 stereo pairs per SDI input)

Available Drivers:
Microsoft Windows
Linux
For more information on the latest OS compatibility, please visit www.ospreyvideo.com

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

Weight:
≈ 122 g

Power Consumption:
9.36W

Operating Temp Range:
0° to 40° C

Non-Operating 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

Operating Altitude Range:
0 to 3,048 meters (10,000 feet)

Non-Operating Altitude Range:
0 to 15,240 meters (50,000 feet)

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

Warranty:
1 year limited hardware warranty