



Osprey[®]

by VARIOSYSTEMS

Continue the Legacy, Capture the Future

Osprey[®] 827e

Video capture card

Combine the legacy of Osprey with the Swiss heritage of Variosystems and you get a video capture card with almost limitless possibilities.

Two Channels

Channel 1: 3G/HD/SD SDI or DVB-ASI

Channel 2: DVI/ HDMI/ VGA/ Component/ Composite and SVideo



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Shown with included accessories

Ten Input Formats

- 3G SDI (424M)
- HD SDI (292M)
- SD SDI (259M)
- DVB-ASI MPTS/SPTS (Windows only)
- DVI
- HDMI
- Composite/CVBS
- Component
- S-Video
- VGA/XVGA

Audio

- AES/EBU (mini XLR)
- SPDIF (mini XLR)
- HDMI (4 channels LCPM)
- Balanced (mini XLR)
- Unbalanced (RCA)
- Embedded SDI (Four stereo pair)

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 V4L2



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Specifications

Description:

Two channel mixed analog and digital video with audio features of the Osprey 800a built in.

Format:

PCI Express (x 4):

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

PCIe 1.1

Video Input:

SDI

- 3G SMPTE 424M
- HD SMPTE 292M
- SD SMPTE 259M
- DVB-ASI MPTS & SPTS

HDMI (non HDCP)

DVI

VGA

Composite, component (YPbPr)

YCA

Video Connector:

SDI (DIN 1.0/2.3 x 1)

DVI x 1

Video Modes:

1080p 23.98, 24, 25, 29.97, 30, 60

1080i 50, 59.94, 60

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

480i 29.97, 30 (NTSC)

576i 25 (PAL)

576p 25, 50

Analog Modes:

1920 x 1080/23.98, 24, 25, 50, 59.94, 60

1600 x 1200/60

1400 x 1050/60, 75

1360 x 768/60

1280 x 1024/60, 85

1280 x 960/60, 85

1280 x 800/60

1280 x 768/75, 85

1280 x 720/50, 60

1024 x 768/60, 85

800 x 600/85

640 x 480/60, 85

Audio Input:

Balanced analog audio (2 stereo pair, 4 x mini XLR) Always available

Two additional pairs from list below

- AES digital audio (2 stereo pair, 2 x mini XLR)
- SPDIF digital audio (2 stereo pair, 2 x RCA)
- Unbalanced analog audio (2 stereo pair, 4 x RCA)

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

Environmental:

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

In the Box:

DVI to VGA

DVI to HDMI

DVI to Component (BNC x 3)

Audio dongle