

3G-SDI CAPTURE CARDS

Raptor Series



Osprey 927 – 2 Channels: 3G-SDI | HDMI1.4

- 16 Embedded SDI Audio Channels
- 8 Embedded HDMI Audio Channels
- Balanced and Unbalanced Analog Audio

Osprey 945 – 4 Channels 3G-SDI

- 16 Embedded Audio Channels per Input

Osprey 935 – 3 Channels 3G-SDI

- Programmable Loopout
- 16 Embedded Audio Channels per Input

Osprey 925 – 2 Channels 3G-SDI

- Programmable Loopout
- 16 Embedded Audio Channels per Input

Osprey 916 – 1 Channel 3G-SDI

- 16 Embedded Audio Channels per Input

Osprey 915 – 1 Channel 3G-SDI

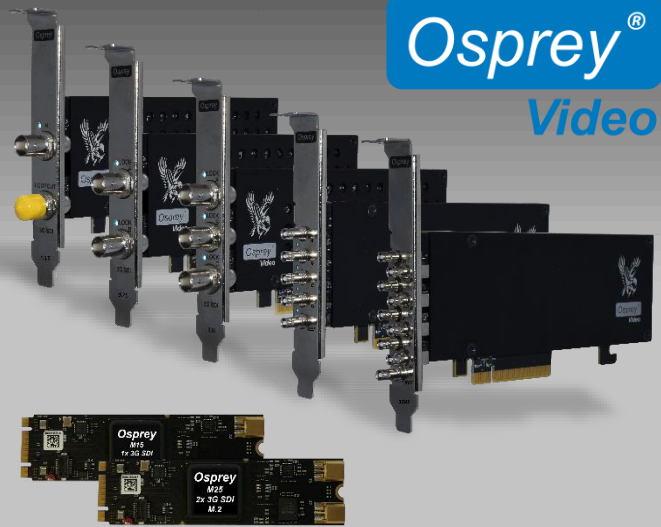
- Loopout
- 16 Embedded Audio Channels per Input

Osprey M25 – 2 Channels 3G-SDI (M.2 2280)

- Programmable Loopout
- 16 Embedded Audio Channels per Input

Osprey M15 – 1 Channel 3G-SDI (M.2 2280)

- 16 Embedded Audio Channels per Input



FRAME RATE
CONVERSION



SCALING



DE-INTERLACING



WINDOWS



LINUX



TEXT OVERLAY
WATERMARKING



SimulStream®, a standard feature on all SDI models, is an Osprey feature which 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.



Osprey Rugged

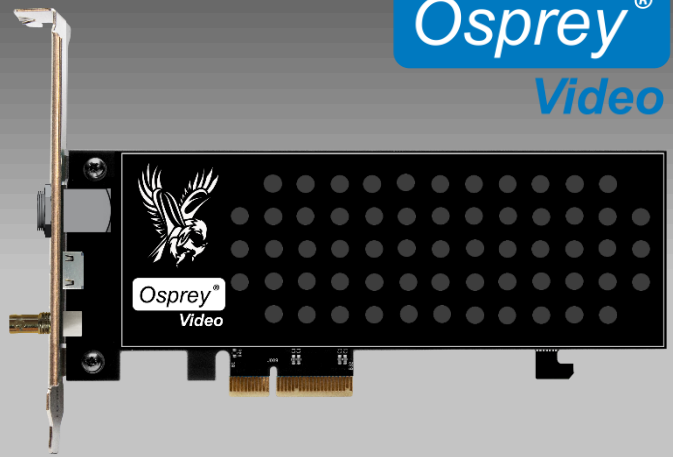
927, 915, 916, 925, 935 are available in a RUGGED Version:

- Extended Temperature Range of -20°C to 60°C
- Coating for high humidity / outdoor applications
- Extended 3yr Warranty



Osprey® 927

Video capture card



Model:

95-00507 Osprey 927

Technical Specifications

Description

- 1 channel 3G, HD, SD-SDI
- 1 channel HDMI 1.4 (4K30)
- Balanced and Unbalanced Stereo Audio

PCI Format

- PCI Express Gen2 (x 4):
- Slots: x 8, or x 16

SDI Video Input

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

SDI Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 23.98, 24, 25, 29.97, 30 (SDI only)
- 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

HDMI Video Formats

- UHD 3840x2160p 23.98, 24, 25, 29.97, 30
- DCI 4096x2160p 23.98, 24
- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 50, 59.94, 60
- 576p, 480p

HDMI PC Video Standards

- 1920x1200, 1600x1200, 1400x1050, 1200x1024
1280x960, 1360x768, 1280x768, 1024x768, 800x600,
640x480

Audio

- Embedded SDI (8 stereo pairs)
- Embedded HDMI (4 stereo pairs)
- Analog Stereo 1x Balanced or Unbalanced

Input Connectors

- SDI: DIN 1.0/2.3 | HDMI: Mini HDMI
- Audio: 6pin Mini XLR

Dimensions

- 6.60" x 2.71" (16.76cm L x 6.88cm H) Half Height

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~ 133 g

Power Consumption

- ~5W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® 945

Video capture card



Model:
95-00503 Osprey 945

Technical Specifications

Description

- 4 channels 3G, HD, SD-SDI

PCI Format

- PCI Express Gen2 (x 8):
- Slots: x 8, or x 16

Video Inputs

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- HD BNC x4 (Micro BNC)

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)



Dimensions

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

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~ 133 g

Power Consumption

- ~8 W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

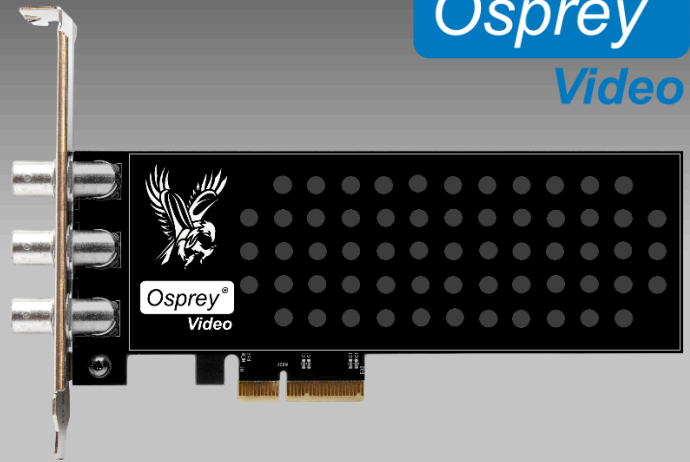
- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® 935

Video capture card



Model:
95-00502 Osprey 935



Technical Specifications

Description

- Three channels 3G, HD, SD-SDI
- Input C programmable as Input or Loopout of Input A

PCI Format

- PCI Express Gen2 (x 4):
- Slots: x4, x 8, or x 16

Video Inputs

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- BNC x3

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)

Dimensions

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

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~ 130 g

Power Consumption

- ~5 W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

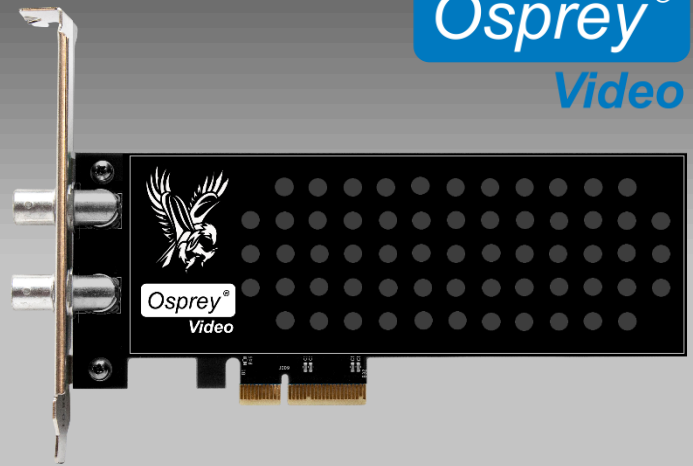
- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® 925

Video capture card



Model:
95-00498 Osprey 925



Technical Specifications

Description

- Two channels 3G, HD, SD-SDI
- Input B programmable as Input or Loopout of Input A

PCI Format

- PCI Express Gen2 (x 4):
- Slots: x4, x 8, or x 16

Video

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- BNC x2

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)

Dimensions

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

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~ 116 g

Power Consumption

- ~5W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

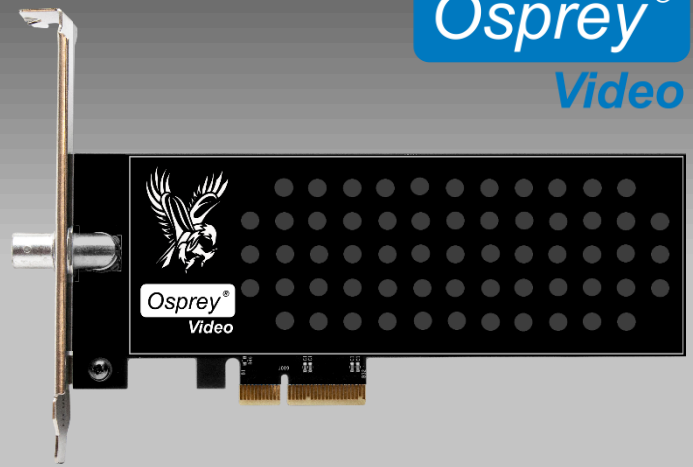
- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® 916

Video capture card



Model:
95-00500 Osprey 916



Technical Specifications

Description

- Single channel 3G, HD, SD-SDI

PCI Format

- PCI Express Gen2 (x 4):
- Slots: x4, x 8, or x 16

Video Input

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- BNC x1

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)

Dimensions

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

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~120 g

Power Consumption

- ~5W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

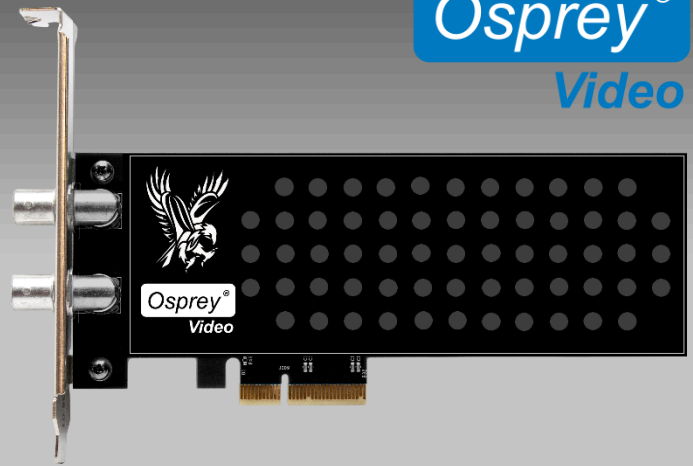
- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® 915

Video capture card



Model:
95-00499 Osprey 915



Technical Specifications

Description

- Single channel 3G, HD, SD-SDI
- Loopout

PCI Format

- PCI Express Gen2 (x 4):
- Slots: x4, x 8, or x 16

Video

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- BNC x2

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)

Dimensions

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

In the Box

- Capture Card
- Half and Full Height PCI Bracket

Weight

- ~120 g

Power Consumption

- ~5W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® M25

Video capture card



Model:
95-00511 Osprey M25



Technical Specifications

Description

- Inputs 3G, HD, SD-SDI
- Input B programmable as Input or Loopout of Input A

PCI Format

- M.2 Gen2 (x 2):

Video Input / Loopout

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- MCX x2

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs per SDI input)

Dimensions

2280

In the Box

- Capture Card

Weight

- ~ 22 g

Power Consumption

- ~2.6 W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Osprey® M15

Video capture card



Model:
95-00510 Osprey M15



Technical Specifications

Description

- Input 3G, HD, SD-SDI

PCI Format

- M.2 Gen2 (x 2):

Video Input

- 3G-SDI SMPTE-259/292/296/424/425 (Level A)
- HD-SDI SMPTE-292M
- SD-SDI SMPTE-259M

Video Connectors

- MCX x1

Video Formats

- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080PsF 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

Embedded SDI (8 stereo pairs)

Dimensions

2280

In the Box

- Capture Card

Weight

- ~ 18 g

Power Consumption

- ~2.2 W

Temperature Range

- 0 to 40C Operating Temperature
- -40 to 75C Non-Operating Temperature

Humidity Range (non-condensing)

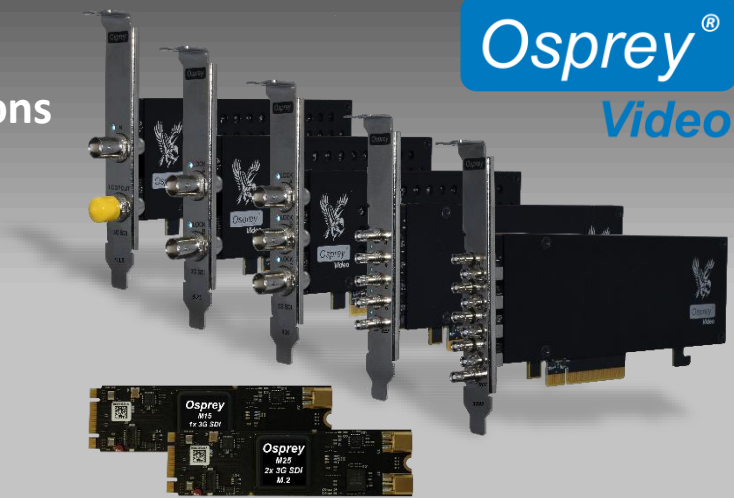
- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

- 0 to 3,048m (10,000ft) Operating
- 0 to 15,240m (50,000ft) Non-Operating

Raptor Series 9xx ,Mxx

Common Technical Specifications



Operating Temp Range

- 0 to 40 C
- -20 to 60 C for rugged version

Non-Operating Temp Range

- -40 to +75 C

Relative Humidity Operating (noncondensing)

- Between 5% and 80%
- Between 5% and 95% (rugged version)

Relative Humidity Non-Operating

- 95% RH (non-condensing); gradient 30% per hour

Available Drivers

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

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

- 2 Years
- 3 Years for Rugged Version

Compliance

- CE, FCC, ROHS, WEEE

In the box

- Capture Card
- All applicable cables, adapters & brackets

