

HDMI CAPTURE CARDS

Raptor Series



Osprey 944 – 4 Channels HDMI PCIe

- 2x HDMI 1.4 (4K30) plus 2x HDMI 1.3 (1080p60)
- 8 Embedded Audio Channels per Input

Osprey 924 – 2 Channels HDMI PCIe

- 2x HDMI 1.4 (4K30)
- 8 Embedded Audio Channels per Input

Osprey 914 – 1 Channel HDMI PCIe

- HDMI 1.4 (4K30)
- 8 Embedded Audio Channels per Input

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

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

Osprey 1224 – 2 Channels HDMI PCIe

- 2x HDMI 2.0 (4K60)
- 8 Embedded Audio Channels per Input

Osprey 1214 – 1 Channel HDMI PCIe

- HDMI 2.0 (4K60)
- 8 Embedded Audio Channels per Input



FRAME RATE CONVERSION



SCALING



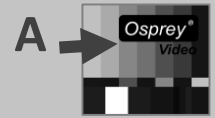
DE-INTERLACING



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

914, 924, 927 are available in a RUGGED Version:

- Passive Cooling
- Extended Temperature Range of 0°C to 60°C
- Coating for high humidity / outdoor applications
- Extended 3yr Warranty



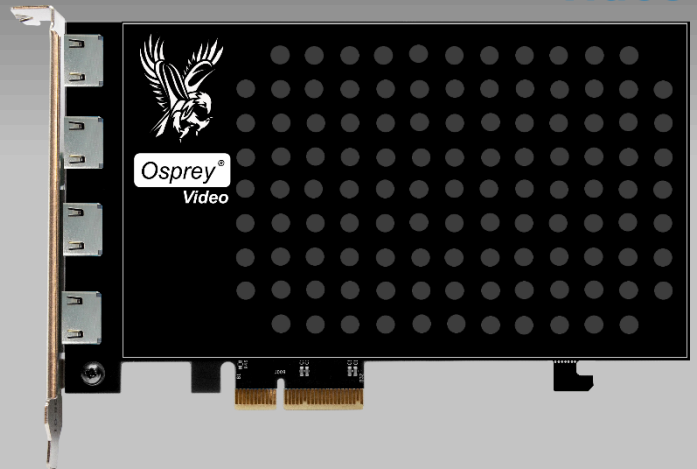
Osprey® 944

Video capture card



Model:
95-00506 Osprey 944

Technical Specifications



Description

- Two channels HDMI1.4 (4K30)
- Two channels HDMI1.3 (1080P60)

PCI Format

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

Video Connectors

- Full Size HDMI x4 (Type A)

Video Modes

- 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

PC Video Standards

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

Audio

- 4 Embedded Stereo Pairs for each HDMI input

Dimensions

- 6.60" L x 4.38" H (16.76cm L x 11.13cm H)
- Full Height

In the Box

- Capture Card

Weight

- ~ 182 g

Power Consumption

- ~ 4.8 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

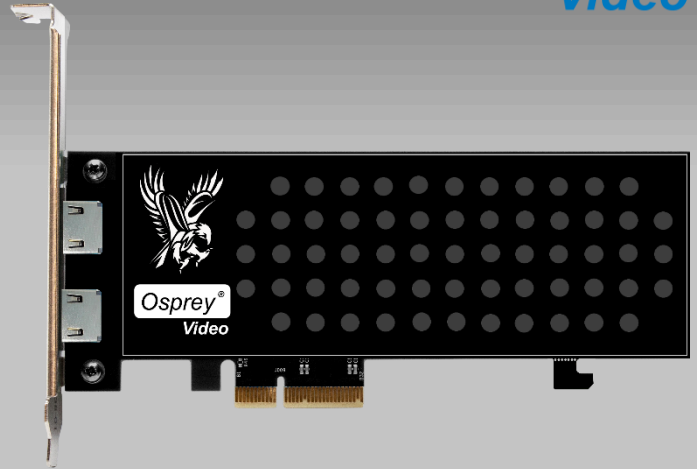
Osprey® 924

Video capture card



Model:
95-00505 Osprey 924

Technical Specifications



Description

- Two channels HDMI1.4 (4K30)

PCI Format

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

Video Connectors

- Full Size HDMI x2 (Type A)

Video Modes

- 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

PC Video Standards

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

Audio

- 4 Embedded Stereo Pairs for each HDMI input

Dimensions

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

In the Box

- Capture Card with Full Height Bracket
- Half Height Bracket

Weight

- ~ 146 g

Power Consumption

- ~ 4.8 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

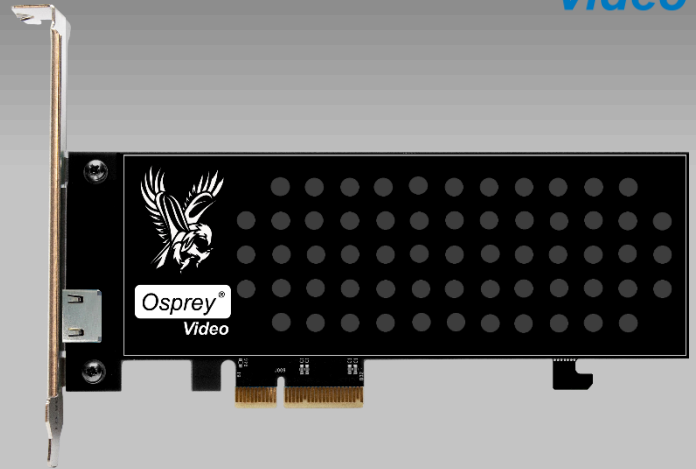
Osprey® 914

Video capture card



Model:
95-00504 Osprey 914

Technical Specifications



Description

- Single Channel HDMI1.4 (4K30)

PCI Format

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

Video Connectors

- Full Size HDMI x1 (Type A)

Video Modes

- 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

PC Video Standards

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

Audio

- 4 Embedded Stereo Pairs

Dimensions

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

In the Box

- Capture Card with Full Height Bracket
- Half Height Bracket

Weight

- ~ 138 g

Power Consumption

- ~ 4.8 W

Temperature Range

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

Humidity Range (non-condensing)

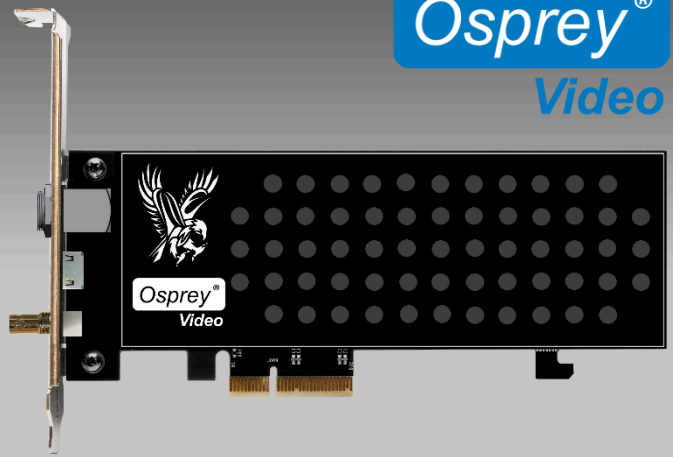
- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

Altitude Range

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

Osprey® 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 (A+B)
- 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® 1224

Video capture card

Osprey®
Video

Model:
95-00518 Osprey 1224

Technical Specifications



Description

- Two channels HDMI2.0 (4K60)

PCI Format

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

Video Connectors

- Full Size HDMI x2 (Type A)

Video Modes

- UHD 2160p 23.98, 24, 25, 29.97, 30, 50, 60
- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 50, 59.94, 60
- 576p, 480p

Audio

- 4 Embedded Stereo Pairs for each HDMI input

Dimensions

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

In the Box

- Capture Card with Full Height Bracket
- Half Height Bracket

Weight

- ~ 146 g

Power Consumption

- ~ 4.8 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® 1214

Video capture card

Osprey®
Video

Model:
95-00517 Osprey 1214

Technical Specifications



Description

- Single Channel HDMI2.0 (4K60)

PCI Format

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

Video Connectors

- Full Size HDMI x1 (Type A)

Video Modes

- UHD 2160p 23.98, 24, 25, 29.97, 30, 50, 60
- 1080i 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 720p 50, 59.94, 60
- 576p, 480p

Audio

- 4 Embedded Stereo Pairs

Dimensions

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

In the Box

- Capture Card with Full Height Bracket
- Half Height Bracket

Weight

- ~ 138 g

Power Consumption

- ~ 4.8 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

Raptor HDMI Series 12xx, 9xx Common Technical Specifications



Operating Temp Range

- 0 to 40 C
- 0 to 60 C for Rugged Version

Non-Operating Temp Range

- -40 to +75 C

Relative Humidity Operating

- Between 5% and 80% (noncondensing)

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

