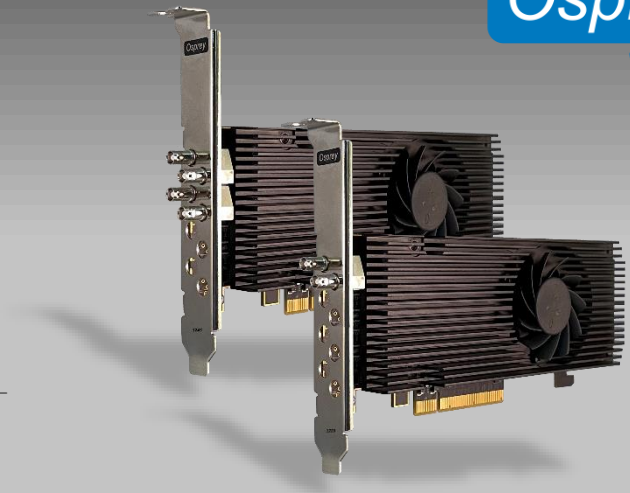


# 12G-SDI CAPTURE CARDS

## Raptor Series



### Osprey 1220 – 2 Channels 12G-SDI

- 16 Embedded Audio Channels per Input
- 10-bit color depth

### Osprey 1245 – 4 Channels 12G-SDI

- 16 Embedded Audio Channels per Input
- 10-bit color depth

### 1245 Video Bandwidth Specifications:

#### Motherboard PCIe 3.0 interface:

- 4x 12G-SDI at 8-bit
- 2x 12G-SDI plus 2x 3G-SDI at 10-bit

#### Motherboard PCIe 2.0 interface:

- 2x 12G-SDI plus 2x 3G-SDI at 8-bit
- 2x 12G-SDI at 10-bit
- 4x 3G-SDI at 10-bit



FRAME RATE  
CONVERSION



SCALING



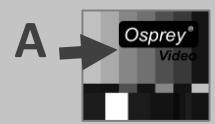
DE-INTERLACING



WINDOWS



LINUX



TEXT OVERLAY  
WATERMARKING



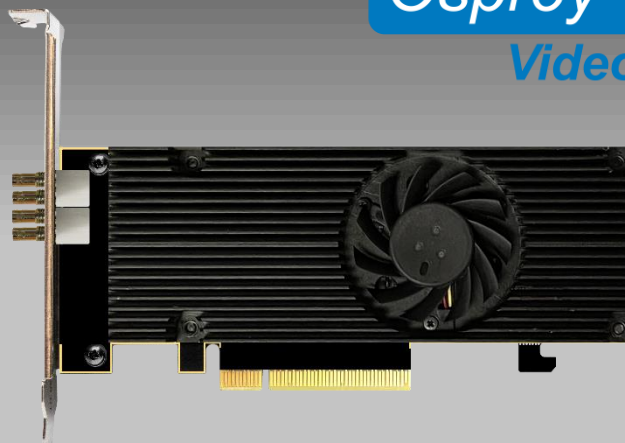
**SimulStream®**, a standard feature on all SDI models, is an Osprey feature which allows each input to produce multiple parallel output streams with completely independent settings for color space, cropping, scaling, closed caption and overlays facilitating simultaneous delivery to multiple applications.



# Osprey® 1245

## Video capture card

Osprey®  
Video



Model:  
95-00515 Osprey 1245

## Technical Specifications

### Description

- 4 Channels 12G-SDI

### Video Inputs

- 12G-SDI SMPTE-2082
- 3G-SDI SMPTE-259/292/296/424/425 (3G Level A)
- HD-SDI SMPTE 292M

### Video Formats

- 4K DCI 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 4K UHD 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080i 50, 59.94, 60
- 1080PsF 23.98, 24, 25, 29.97, 30
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60

### SDI Metadata Support

- CEA-608, CEA-708 for closed captioning

### SDI Color Spaces 8-bit

- 4:2:2 - UYVY, YUY2, NV16, NV61
- 4:2:0 – I420, NV12, NV21, YVU9, YV12
- 4:4:4 – RGB15, RGB24, RGB32, BGR24, BGR32

### SDI Color Spaces 10-bit

- 4:2:2 – P210, P216, XV20
- 4:2:0 – P010, P016

### Audio

- Embedded SDI (8 stereo pairs per SDI input)

### PCI Format

- PCI Express Gen3 (x 8):

### Video Connectors

- HD BNC 4 (Micro BNC)

### 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

- ~ 340g

### Power Consumption

- ~ 8W

### Temperature Range

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

### Humidity Range (non-condensing)

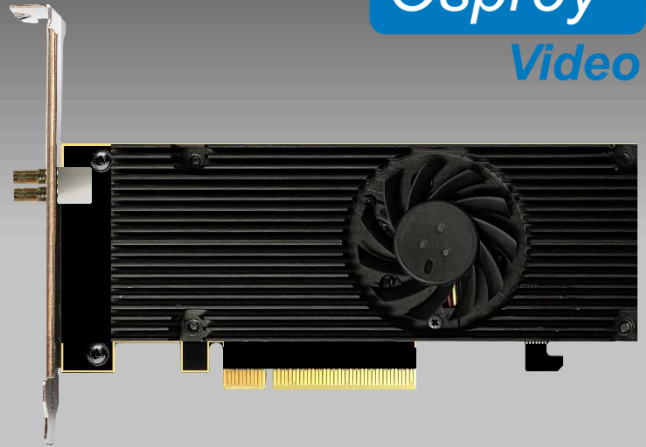
- Between 5% and 80% Operating
- 95% RH, gradient 30% per hour Non-Operating

### Altitude Range

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

# Osprey® 1220

## Video capture card



Model:  
95-00514      Osprey 1220

## Technical Specifications

### Description

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- 2 Channels 12G-SDI

### Video Inputs

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- 12G-SDI SMPTE-2082
- 3G-SDI SMPTE-259/292/296/424/425 (3G Level A)
- HD-SDI SMPTE 292M

### Video Formats

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- 4K DCI 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 4K UHD 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080i 50, 59.94, 60
- 1080PsF 23.98, 24, 25, 29.97, 30
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60

### SDI Metadata Support

---

- CEA-608, CEA-708 for closed captioning

### SDI Color Spaces 8-bit

---

- 4:2:2 - UYVY, YUY2, NV16, NV61
- 4:2:0 – I420, NV12, NV21, YVU9, YV12
- 4:4:4 – RGB15, RGB24, RGB32, BGR24, BGR32

### SDI Color Spaces 10-bit

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- 4:2:2 – P210, P216, XV20
- 4:2:0 – P010, P016

### Audio

---

- Embedded SDI (8 stereo pairs per SDI input)

### PCI Format

---

- PCI Express Gen3 (x 8):

### Video Connectors

---

- HD BNC 2 (Micro BNC)

### 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

---

- ~ 340g

### Power Consumption

---

- ~ 8W

### 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

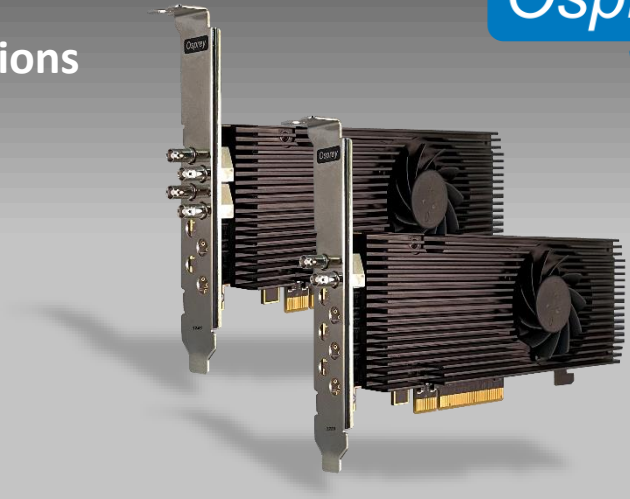
### Altitude Range

---

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

# Raptor Series 12xx

## Common Technical Specifications



### Operating Temp Range

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- 0 to 40 C

### Non-Operating Temp Range

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- -40 to +75 C

### Relative Humidity Operating

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- Between 5% and 80% (noncondensing)

### Relative Humidity Non-Operating

---

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

### Available Drivers

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- Microsoft Windows
- Linux
- For more information on the latest OS compatibility please visit: [www.ospreyvideo.com](http://www.ospreyvideo.com)

### Operating Altitude Range

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- 0 to 3,048 meters (10,000 feet)

### Non-Operating Altitude Range

---

- 0 to 15,240 meters (50,000 feet)

### System Recommendations

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

### Warranty

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- 2 Years

### Compliance

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- CE, FCC, ROHS, WEEE

### In the box

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- Capture Card
- All applicable cables, adapters & brackets

