

Osprey[®] 820e

Video Capture Card

Two solutions in a single capture card.



The Osprey 820e continues the strong tradition of high-quality streaming performance. The latest video capture card now lets you add audio and video to a traditional graphics interface making it an ideal solution for lecture capture. This dual input card can ingest SD or HD analog video as well as VGA, HDMI and DVI.

Optimized for live streaming.

Take advantage of advanced video pre-processing features such as logo/bitmap overlay with transparency and positioning controls, de-interlacing, color space conversion and closed-caption extraction and rendering. Wide screen signaling is also standard.

Multiple streams.

The Osprey 820e also comes standard with SimulStream[®]. This driver enhancement provides the ability to feed multiple encoding applications at the same time.

Ideal Solutions

- > Education
- > Enterprise
- > Global OEM systems integrators

Applications

- > Presentation capture
 - Lectures
 - Corporate meetings
- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video on Demand

Key Attributes

- > HDMI/DVI/VGA input
- > Accepts analog SD and HD video inputs
- > Automatically senses signal types
- > PCIe host interface
- > SimulStream option enables:
 - Completely independent settings for sizing, scaling and bit rate speeds, plus logo overlays with dynamic positioning
 - A multitude of simultaneous video format outputs
- > Professional features, such as loss of video detection, color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content
- > Drivers available for Microsoft[®] Windows[®] and Linux operating systems

Continue the Legacy. Capture the Future.



OSPREY® 820e



DVI to VGA or HDMI adapters x 2



Y/C to S-Video Adapter



DVI Dongle to component x 2

Supported Digital Modes

1920 x 1080/60/p	1280 x 1024/85
1920 x 1080/59.94/p	1280 x 1024/60
1920 x 1080/50/p	1280 x 960/85
1920 x 1080/60/i	1280 x 960/60
1920 x 1080/59.94/i	1280 x 800/60
1920 x 1080/50/i	1280 x 768/85
1920 x 1080/30/p	1280 x 768/60
1920 x 1080/29.97/p	1280 x 720/60
1920 x 1080/25/p	1280 x 720/59.94
1920 x 1080/24/p	1280 x 720/50
1920 x 1080/23.98/p	1024 x 768/85
1600 x 1200/60	1024 x 765/60
1440 x 900/85	800 x 600/85
1440 x 900/60	800 x 600/60
1400 x 1050/85	640 x 480/85
1400 x 1050/60	640 x 480/75
1360 x 768/60	640 x 480/60

HDCP not supported.

Supported Analog Modes

1920 x 1080/60	1280 x 960/85
1920 x 1080/59.94	1280 x 960/60
1920 x 1080/50	1280 x 800/60
1920 x 1080/25	1280 x 768/85
1920 x 1080/24	1280 x 768/75
1920 x 1080/23.98	1280 x 720/60
1600 x 1200/60	1280 x 720/50
1440 x 900/75	1024 x 768/85
1400 x 1050/75	1024 x 768/60
1400 x 1050/60	800 x 600/85
1360 x 768/60	640 x 480/85
1280 x 1024/85	640 x 480/60
1280 x 1024/60	

Specifications

Driver Support:

- Microsoft® DirectShow® API
- Linux available from open source community

Inputs:

Video:

Two channels of active video are available. Each channel can be any of the following:

- 2x DVI-I
- 2x HDMI
- up to 1920 x 1080 at 60 fps
(DVI - HDMI adapters included)
- 2x VGA/XVGA resolutions
- up to 1600 x 1200 at 60 Hz
(DVI - VGA adapters included)

Three composite inputs are available but only one can be used on each MFI.

- 2x Component
 - 6x Composite
 - 2x S-Video
- (component breakout, BNC - RCA adapters included, and BNC - mini included)

Audio:

- HDMI (2 x 8 channels LPCM)
- Unbalanced (1 x stereo)

Connectivity:

PCI Express (x 4):

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

Pre-Processing:

- Closed-caption extraction / rendering
- Logo / bitmap overlay
- Scaling, cropping, de-interlacing and inverse telecine
- Loss of video automatic test pattern generation with text overlay option

Dimensions:

- Half-length board
- 6.60" L x 4.38" H (16.76 cm L x 11.13 cm H)

Hardware Warranty:

- 1 year limited hardware warranty

System Requirements:

- Multi-core processors (4 or more) are recommended to run video applications.

The Osprey 820e video capture card requires intense bandwidths across the system bus, CPU, and memory. The host computer system capabilities (CPU, RAM, and motherboard) must be capable of processing this amount of data.



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