



Professional quality HD streaming performance.

Osprey video technology sets the industry standard for high-quality, rock-solid streaming performance. Utilized in a wide variety of applications – from aerospace to surveillance, Internet TV to webcasting – Osprey video capture cards drive the delivery of video to viewers all around the globe. The Osprey 710e HD continues that strong tradition of high-quality streaming performance.

Designed for professional video applications.

The Osprey 710e HD features a high-definition SDI video input, with an additional SDI/BNC loop-out pass through to facilitate workflow. In addition to 16 channels of embedded SDI audio (8 stereo pairs), the Osprey 710e HD includes 4 stereo pairs of AES/EBU digital audio inputs implemented across mini XLR connectors, providing maximum audio flexibility.

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. The Osprey 710e HD will automatically detect and adapt on-the-fly when the input video format changes from SD to HD. Wide screen signaling is also standard. We've also added the broadcaster-requested feature – loss of video detection – which lets you automatically substitute internally generated NTSC color bars with an optional text overlay.

Multi-platform delivery.

The 710e HD includes our SimulStream® technology that allows you to stream to multiple devices – in various formats, bit rates and resolutions – simultaneously, from a single video source. The Osprey 710eHD is the ideal HD solution to meet the demands of today's multi-platform digital media marketplace.

Ideal Solutions

- > Broadcasters
- > Government
- > Global OEM systems integrators

Applications

- > Webcasting
- > Live streaming
- > Podcasting
- > Mobile TV
- > Video on Demand

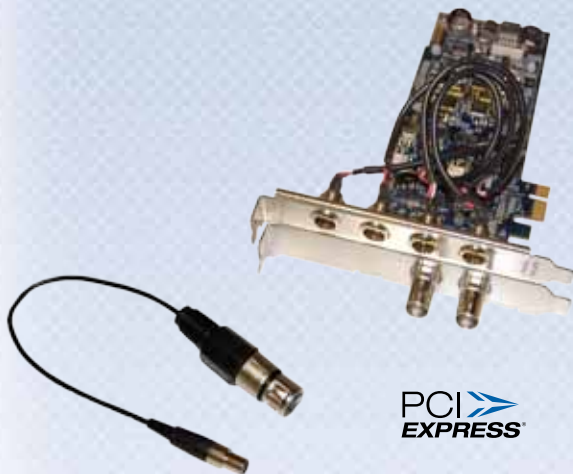
Key Attributes

- > AES digital audio
- > Accepts both SD and HD inputs
- > Automatically adapts between SD and HD signals
- > On-the-fly HD to SD downscaling
- > 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
- > Low-profile architecture for form-factor constrained environments
- > Professional broadcaster features, such as loss of video detection, color space conversion, automatic telecine detection and processing, and automatic optimization for changing motion content



OSPREY® 710e HD

Video Capture Card



4 mini XLR-XLR cables
(included)

Supported Modes

| | |
|---------------------|-------------------|
| 1920 x 1080/60/i | 1280 x 720/30 |
| 1920 x 1080/59.94/i | 1280 x 720/29.97 |
| 1920 x 1080/50/i | 1280 x 720/25 |
| 1920 x 1080/30/p | 1280 x 720/24 |
| 1920 x 1080/29.97/p | 1280 x 720/23.98 |
| 1920 x 1080/25/p | 720 x 480/30/i |
| 1920 x 1080/24/p | 720 x 480/29.97/i |
| 1920 x 1080/23.98/p | 720 x 576/25/i |
| 1280 x 720/60 | 720 x 576/50/p |
| 1280 x 720/59.94 | 720 x 576/25/p |
| 1280 x 720/50 | |

* PsF modes have not been tested.

Driver Support:

- Microsoft® DirectShow® API

Inputs:

Video:

- SDI (BNC x 1)

Audio:

- Embedded SDI (16 channel)
- AES digital audio (4 stereo pair, 4 x mini XLR)
(4 mini XLR-XLR cables)

Loop Outputs:

Video:

- SDI pass through

Audio:

- Embedded SDI pass through

Connectivity:

PCI Express (x 1):

- Slots: x 1, 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-height / half-length board
- 6.60" L x 2.71" H (16.77cm L x 6.89cm H)
- Includes low-profile brackets (*low profile AES option requires 2 brackets*) (included)

Hardware Warranty:

- 1 year limited hardware warranty

System Requirements:

- Video capture requires intense bandwidth across the system bus, CPU, and memory. North Bridge PCIe slots are strongly recommended.
- Multi-core processors (4 or more) are recommended to run video applications.

