Osprey 260e & 460e Overview

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

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 cards drive the delivery of video to viewers all around the globe.

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

Osprey 260e & 460e Overview

- The Osprey 240e and 450e video capture cards are being discontinued due to component obsolescence. ViewCast recommends the new Osprey 260e as a replacement for the 240e, and the new Osprey 460e as a replacement for the 450e.

- In order to provide the same exceptional standard of quality and performance, the Osprey 260e and 460e have been designed to be as close as possible in features and functionality to their predecessors.

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

Key Attributes:

- Hardware audio gain control
- Closed-caption extraction
- Cropping and bitmap overlay
- Audio loop-back for monitoring
- Available with or without factory-enabled SimulStream
- Customized text overlay superimposed on color bars (or other test display) upon loss of video signal
- Supports Wide Screen Signaling (WSS) flag for automatic 16 x 9 capture
- Install multiple cards per chassis, or mix-and-match with other Osprey cards
- Works with popular video encoding applications
- Includes drivers for Microsoft® Windows® Server 2008 and Windows 7

Specifications:

- Video Input: One channel switchable input
  Composite (1 x BNC), Y/C (2 x BNC) (includes BNC to mini-DIN adapter), Component (3 x BNC)
- Audio Input: balanced stereo (2 x XLR), unbalanced stereo (2 x RCA)
- Audio Output: unbalanced stereo line level (3.5mm)
- Video formats: NTSC/PAL
- Low-profile design
- PCIe® (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- PCIe 1.1
  5.25” L x 2.7” H (13.34cm L x 6.89 cm H)
- One year limited hardware warranty

Ideal Solution For:

- Broadcasters
- Enterprise
- Government
- OEM
- System Integrators

Applications:

- Webcasting
- Live streaming
- Podcasting
- Mobile TV
- Surveillance

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

Key Attributes:

- Hardware audio gain control
- Closed-caption extraction
- Cropping and bitmap overlay
- Available with or without factory-enabled SimulStream
- Customized text overlay superimposed on color bars (or other test display) upon loss of video signal
- Supports Wide Screen Signaling (WSS) flag for automatic 16 x 9 capture
- Install multiple cards per chassis, or mix-and-match with other Osprey cards
- Works with popular video encoding applications
- A/V options for balanced audio, Y/C video, component video and switchable composite video inputs
- Includes drivers for Microsoft® Windows® Server 2008 and Windows 7

Specifications:

- Microsoft Direct Show API
- Video Inputs: 4 composite (BNC x 4)
  (additional BNC x 12 optional)
  4 Y/C (BNC x 8) (optional)
  4 component (BNC x 12) (optional)
- Audio Inputs: 4 Unbalanced stereo (RCA x 8)
  4 balanced stereo (XLR x 8) (optional)
- Video formats: NTSC/PAL
- PCIe® (x1) – compatible with x1, x4, x8, and x16 PCIe slots
- PCIe 2.0
- Full-height, half-length board.
  6.60" L x 4.38" H (16.77cm L x 11.12 cm H)
- One year limited hardware warranty

Ideal Solution For:

- Broadcasters
- Enterprise
- Government
- OEM
- System Integrators

Applications:

- Multi-language Webcasting
- Live streaming
- Podcasting
- Mobile TV
- Surveillance

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.
ViewCast

Feature Comparison

		240e	260e		450e	460e
Video Inputs	Composite (with RCA adapter)	1	1		4	4
	Composite (BNC)	•	•		4	4
	S-Video (with Mini-DIN adapter)	•	•			
	Y/C (BNC)	•	•		optional	optional
	Analog Component Y/Pb/Pr (BNC)	•	•		optional	optional
Video Formats	NTSC/PAL	•	•		•	•
Audio Inputs	Unbalanced Stereo (RCA)	•	•		4	4
	Balanced Stereo (XLR)	•	•		optional	optional
A/V Loop-Out	Unbalanced Stereo (3.5mm)	•	•			
Driver Support	DirectShow®	•	•		•	•
Physical	Bus Interface	PCIe 1.0a	PCIe 1.1		PCIe 1.1	PCIe 2.0
	Dimensions	Low profile	Low profile		Full Height/ Half Length	Full Height /Half Length
OS Support	Windows® XP, Vista, Server 2003	•			•	
	Windows 7 and Server 2008	•	•		•	•
Compliance	RoHS	•	•		•	•
	CE Mark	•	•		•	•
	FCC 47CFR Part 15 Class A		tbd		•	tbd
	FCC 47CFR Part 15 Class B	•	tbd			tbd
	UL Safety	•	•		•	•

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

Other feature differentiations

- The Osprey 260e uses a PCIe 1.1 compliant bus
  - Updated specification from Osprey 240e PCIe 1.0a
  - Same data rate of 250 MB/s
- The Osprey 460e uses a PCIe 2.0 compliant bus
  - Updated specification from Osprey 450e PCIe 1.1
  - Increased data rate from 250 MB/s to 500 MB/s (on compatible motherboards)
- The Osprey 260e & 460e support current Windows operating systems
  - Windows Server 2008 (32 and 64 bit)
  - Windows 7 (32 and 64 bit)
- The Osprey 260e is more that an inch shorter than the 240e.
- The Osprey 260e & 460e will require new driver sets.
  - The previous Osprey 240e & 450e drivers are not compatible.

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.

Proprietary and Confidential. ©2011 ViewCast, Inc. All rights reserved.