



Osprey-440 Four-Channel A/V Capture Card

The Osprey-440 is a 64-bit four-channel, multi-port audio and video capture card. This PCI-X card can process four channels of full-motion (30 fps) video, and audio, from four NTSC or PAL analog sources. The Osprey-440 features Logo/Bitmap overlay/watermark capability, audio gain control, and programmable audio sampling rates. Based on the reliability of ViewCast's Osprey Video capture card, the Osprey-440 provides multi-source capture through four composite (BNC) connectors on the faceplate plus additional video inputs via internal pins on the circuit board.

Audio input connectors are provided via a breakout cable for capturing from four different audio sources. The breakout cable provides four pairs of Unbalanced Stereo Audio (RCA) connectors. Internal audio pins are located on the circuit board for Balanced Stereo Audio input. Multiple cards may be used in a single system chassis.

The Osprey-440 is compatible with the Osprey SDK for development of media applications supporting Video-for-Windows and DirectShow.

Features

- Four-channel video processing card with external and internal audio and video connectors
- Four alarm inputs and four dry contact outputs provides one input and output per channel
- 16 switchable video inputs are supported plus 8 audio inputs. Video inputs can be configured as analog composite or one per channel as S-Video.
- Unique video processing features can be controlled through custom development using the Osprey SDK

For more product information, visit www.viewcast.com/osprey.



Technical Specifications

Video Processing Channels	4 Independent Channels
Total Switchable Video Inputs	12 inputs (four per channel) – 8 composite
Total Audio Inputs (pair)	8 inputs (two per channel) – 4 unbalanced and 4 Balanced
Audio Input Reference Level	External Stereo Unbalanced -23 to +3 dBV (-10 dBV nominal) with 6 dB headroom Internal Stereo Balanced -15 to +10 dBu (+4 dBu nominal) with 6 dB headroom
Audio Sampling Rates	8kHz, 11.025kHz, 16kHz, 22.05kHz, 32kHz, 44.1kHz, 48kHz
Alarm inputs (internal)	4 inputs (one per channel)
Dry contact outputs (internal)	4 outputs (one per channel)
Video Standards Supported	NTSC & PAL
Bus Interface	PCI-X, 64-Bit PCI Interface, 32-Bit/33 MHz PCI Compatible, 3.3 Volt PCI 2.3 Compliant (backward compatible with standard PCI bus)
Video Processing	Hardware video cropping and scaling Colorspace Conversion Bitmap overlay – watermarking the video image
Data Extraction	VBI data (Closed Caption, Teletext, VITC time code and Raw VBI extraction)
Compliance	FCC Class A, UL Listed Accessory

Software Specifications

Software Developers Kit	Osprey SDK
OS Support	Windows 2000, XP, and server 2003
SDK Fee	Free
Driver Environment	DirectShow based SDK (AVStream)
Cross-product compatibility	Applications written for one Osprey card are typically compatible with all Osprey cards (feature accessibility is depend upon installed Osprey hardware capability)