

Features

- *Four-channel video processing card with external and internal audio and video connectors.*
- *Four alarm inputs and four dry contact outputs provide 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.*

General Description

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.

Technical Specifications

Video Processing Channels	4 Independent Channels
Total Switchable Video Inputs	12 inputs (four per channel) – 8 composite and 4 S-Video
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 2003 Linux – Coming Soon
SDK Fee	Free
SDK Support	Osprey Support Agreement available or charged on per incident basis
Driver Environment	DirectShow based SDK (AVStream) Video-for-Windows based SDK (VfW)
Cross-product compatibility	Applications written for one Osprey card are compatible with all Osprey cards (feature accessibility is depend upon installed Osprey hardware capability)

Performance

Max Video Resolution	640x480 30fps (NTSC); 768x576 25fps (PAL)
Max Simultaneous Capture	(1) Full D1 (640x480 NTSC or 768x576 PAL) plus (4) CIF (320x240 NTSC or 384x288 PAL) (5) Streams Total @ 30fps
Multiple Cards in a System	Yes, limited by available PCI-X slots and host CPU performance
Multiple Streams per Channel	Multi-streaming from same video source on one channel capable using Osprey SimulStream (one license per card)

Physical Specifications

Dimensions:	Standard 6.6 PCI card (4.2 Height x 6.6 Length)
Weight:	TBA
Power:	3.3 Volt
Environment:	Operating temperature: 0 to 40° C Storage temperature: -25 to 85° C Humidity: 0 to 95% non-condensing
Video Connectors	4 External BNC 8 Internal Pins (4 composite & 4 S-Video)
Audio Connectors	4 Pair External RCA (unbalanced stereo) via Breakout Cable 4 Pair Internal Pins (Balanced stereo)

Audio Breakout Cable

