



Videum Duo Xpress

Future proof, high octane, broadcast quality multi-channel audio/video solution.

Key Features

Harness the power of PCI Express

- Add dimensions to live streaming events
- Fits 1, 2, 4, 8, 16x lane PCI Express slots
- Edit live events in real-time with VC1
- Enhanced audio synchronization
- Optimized for live encoding
- Seamless live video switching

Multi-Channel Capture Architecture

- 4 independent audio & video streams
- 2 independent channels of D1 video
- 2 independent channels of balanced stereo audio
- Real-time capture & preview of analog video streams
- Multi-channel display of each video input
- Multiple encoding formats including WMV, Flash

Reliable and cost effective

- Stream more channels per system
- Hardware upgradable via download
- Unlimited scalability
- Hardware-based timestamp
- Guaranteed A/V synchronization
- Reliable 24/7/365 operation
- Professional locking connectors
- Auto reboot and event signaling
- Balanced audio inputs

Reliable and cost effective

- Web-based image property control
- Remote pan, tilt and zoom

The Videum Duo Xpress is a two channel audio/video capture card that produces broadcast quality video and absolute reliability required for on-the-air streaming of live events. Built upon the new PCI Express bus architecture, Videum Duo Xpress boasts super fast encoding and increased efficiency. While Videum Duo Xpress enables the capture of two analog video channels from four independent sources, this powerful new platform enables you to take advantage of the powerful features available in Microsoft Expression™ Encoder. It's now possible to switch and edit live streaming events in real-time. Videum Duo Xpress delivers a professional quality live experience like no other capture card on the market.

The benefits of Videum on a PCI Express platform are endless. Performance is greatly increased while power consumption is reduced by up to 50 per cent when compared to standard PCI based cards. Broadcast quality encoding is guaranteed with enhanced audio & video synchronization. The PCI Express platform also helps protect your investment: Videum is the only video capture card product line available that offers hardware upgrades via download. This key feature future proofs your investment and ensures that no matter how rapidly technology changes, deployed Videum capture cards will remain current.

We've designed the Videum Duo Xpress for the professional. From the sturdy breakout box with locking connectors, to the ability to simultaneously capture full standard definition video on both channels; this true multi-channel capture card is built to deliver flexibility and performance under the most demanding situations. For unattended operation, it's equipped with an auto-reboot watchdog timer with failure log. If for any reason the software locks up, the Videum watchdog will automatically reboot the system, ensuring minimum downtime and worry-free operation, 24x7x365.

Videum Duo Xpress supports hundreds of existing applications including leading video recording and video streaming applications. The Videum SDK dramatically reduces development time of sophisticated applications containing embedded modules such as motion detection, text and graphics overlays, and support for multiple compression standards.



Videum Duo Xpress Technical Specifications

Hardware and Driver	Multi-board Capable	Yes
	SMP Capable	Yes, optimized for multi-processor systems
Video Capture	Video Sources	4
	Video Capture Channels	2 independent channels, 30 frames per second; 60 fields per second
	Connector Type	BNC
	Video	NTSC or PAL
	Capture Formats	Motion JPEG Compressed Video Uncompressed video (YUV 4:2:2, YUV4:2:0, or RGB)
	Image Size	Programmable per channel 32x24 to 640x480 (NTSC) 32x24 to 768x576 (PAL)
	On-board Video Processor	Brightness, contrast, hue, saturation
	Video Capture	Up to full resolution, full frame rate per channel
	Digital I/Os:	8 Port TTL I/O with interrupt/event signaling
	Display	Full screen with DirectDraw® capable graphic card
	Text and Graphics Overlay	Yes, programmable per channel
	Watchdog function	Yes, programmable with automatic failure log
	Deinterlacing	Yes
	Elastic Frame Buffer	Yes
	Video Loss Detection	Yes
	Video Signal Termination	Yes
	Audio Support	48KHz 16-bit stereo
	AV Synchronization	Fully synchronized to System Multimedia Clock
Videum Breakout Box	Breakout Box	One breakout box with the following connections:
	Video Input	4 BNC (4 Composite or 2 S-video)
	Audio-In 1	2 x combo XLR and ¼ " TRS phono jacks (balanced stereo)
	Audio-In 2	2 x ¼ " TRS-phono jacks (balanced stereo)
	Audio-Out	2 x ¼ " TRS-phono jacks (balanced stereo)
System Requirements	CPU	AMD and Intel CPU support, 1GHz or higher
	System Memory	512 MB
	Operating System	Microsoft Windows 2000 Microsoft Windows XP64 Microsoft Windows Server 2003 Microsoft Windows Server 2003 x64 (DirectX9 required) Microsoft Windows Vista
	PCI Express:	One x1 PCI Express slot (can also be placed in x4, x8 and x16 PCI Express slots) Fully PCI Express 1.0a compliant
	Power Consumption	4.5W
	Dimensions	6.78" x 4.4", 172mm x 112mm (PCB size without bracket)
Software Applications	Applications	Microsoft Windows Media™ Encoder 9 Microsoft Windows Messenger™ Microsoft Expression™ Encoder Adobe Flash® Media Encoder 2 Videum SDK (included)

For More Information

For more information about Videum Duo Xpress, the Videum family of products, and other Winnov encoding & streaming solutions, visit www.winnov.com/products.