



Videum 4400 AV Xpress

The multi-channel video capture solution that continues to evolve, even after installation.

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 channels of D1 video
- 4 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

The Videum 4400 AV Xpress is a four channel audio/video capture card that produces broadcast quality video required for on-the-air streaming of live events and absolute reliability necessary for successful video surveillance. One Videum 4400 AV Xpress has the same performance as four single channel capture cards with the same slot footprint. Videum 4400 AV Xpress enables seamless switching between the four video sources either manually or automatically. The Videum 4400 AV Xpress includes a software applet that allows switching between video sources, locally or remotely, without stopping the capture process.

Built upon the new PCI Express bus architecture, Videum 4400 AV Xpress boasts super fast encoding and increased efficiency. 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.

This powerful new bus architecture can quickly add value to your applications for manned or unmanned video surveillance systems. It is equipped with auto-reboot watchdog timer with a failure log for unattended operation. Winnov's watchdog will automatically reboot the system in the event of a software lock-up, minimizing downtime and worry-free unattended operation, 24x7x365. An included Videum SDK allows OEMs and system integrators to address individual client requirements and enables them to quickly differentiate their value offering. Developers and integrators can easily customize their own web-based applications as requirements demand.

The Videum 4400 AV Xpress provides a high-performance, scalable, and reliable solution that meets the growing demand for audio and video surveillance solutions to digitize, record, control and playback high quality video.



Videum 4400 AV Xpress Technical Specifications

Key Features (continued)

Customization

- Automatic failure log/bug tracking
- Remote pan, tilt and zoom
- On-board digital I/O
- Remotely control image properties
- Identify cameras with graphic overlay
- Timestamp overlay

Imaging Capabilities

- Captures 640x480 at 30fps (NTSC)
- Captures 704x576 at 25fps (PAL)
- Superior image quality
- Local & remote 4 channel switching
- Real-time capture & preview
- Customize resolution, frame rate, and compression
- Motion JPEG compression

Hardware and Driver	Multiboard capable: SMP capable:	Yes Yes, optimized for multi-processor systems
Video	Video Sources: Video Capture channels: Video Connections: Connector Type: Video Standard: Capture Formats: Video Size: Video Properties: Video Capture: Digital I/Os: Display: Text and Graphics Overlay: Date and Time Overlay: Watchdog Function: Deinterlacing Elastic Frame Buffer Video Loss Detection Video Signal Termination	4 4 independent channels, 30 frames per second; 60 fields per second 4 composite BNC NTSC or PAL Motion JPEG Compressed Video Uncompressed Video (YUV4:2:2, YUV4:2:0, or RGB) Programmable per channel 32x24 to 640x480 (NTSC) 32x24 to 768x576 (PAL) Brightness, Contrast, Hue, Saturation Up to 640x480 at 30fps (NTSC) per channel Up to 768x576 at 25fps (PAL) per channel 8 Port TTL I/O with interrupt/event signaling Full screen with DirectDraw® capable graphic card Yes, programmable per channel Yes, selectable per channel Yes, programmable with automatic failure log Yes Yes Yes Yes Yes
Audio	Audio Sources: Audio Capture Channels: Audio Connections: Audio Output: Audio Support: Audio Synchronization Clock	4 stereo 4 independent channels 4 stereo 1/4" mini jack via breakout cable 1 on-board stereo audio line/ headphone output 48Khz 16-bit stereo Fully synchronized to System Multimedia
System Requirements	CPU System Memory Operating System PCI Express Other Board Dimensions Power Consumption Software Applications Supported	AMD and Intel CPU support, 1GHz or higher 512 MB Microsoft Windows 2000 Microsoft Windows XP Microsoft Windows XP64 Microsoft Windows Server 2003 Microsoft Windows Server 2003 X64 (DirectX9 required) Microsoft Windows Vista One x1 PCI Express slot (can also be placed in x4, x8 and x16 PCI Express slots) Fully PCI Express 1.0a compliant CD-ROM drive for software installation 6.7" x 4.02" – 169 mm x 102 mm 6W Microsoft Windows Media™ Encoder 9 Microsoft Windows Messenger™ Microsoft Expression™ Encoder Adobe Flash® Media Encoder 2 Winnov Videum SDK (included)

For More Information

For more information about Videum 4400 AV Xpress, the Videum family of products, and other Winnov encoding & streaming solutions, visit www.winnov.com/products.