



Videum Quattro

Broadcast quality multi-channel audio/video solution.

Key Features

Multi-Channel Capture Architecture

- 8 independent audio & video streams
- 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

Control from anywhere

- Control image properties
- Remote pan, tilt, and zoom

Reliable and cost effective

- Stream more channels per system
- 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

Broadcasters and video professionals often find that one channel is just not enough. Coordinating multiple capture cards with different inputs can be an ordeal. Winnov has tackled the difficult problem of providing four simultaneous AV channels with on-board AV matrix switch in a single PCI bus card. The result is the Videum Quattro, a four channel audio/video capture card with the broadcast quality and absolute reliability required for on-the-air streaming of live events.

Videum Quattro is a four channel audio/video capture card that delivers broadcast quality video and absolute reliability required for on-the-air streaming events. It ships with a sturdy breakout box with locking connectors, minimizing signal interruption caused by unsecured connectors. For unattended operation, Videum Quattro is equipped with an auto-reboot watchdog timer with failure log. If for any reason the software locks up, Winnov's watchdog will automatically reboot the system allowing minimal downtime and complete unattended operation, 24x7x365.

Built on a highly stable platform, Quattro supports hundreds of existing applications including leading video recording and video streaming applications. An included 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.

Quality in audio and video capture results from the incorporation of a myriad of details in the capture circuitry and driver software. Videum Quattro integrates Winnov's proprietary PCI bus interface to insure optimized capture and storage. It also leverages Winnov's Elastic Frame Buffer architecture that insures no data is lost as video frames are digitized and presented to the PCI bus. The result is excellent image quality in images of 640x480 at 30 fps (NTSC) or 768x576 at 25 fps (PAL).



Videum Quattro Technical Specifications

| | | |
|----------------------------|---------------------------|---|
| Hardware and Driver | Multi-board Capable | Yes |
| | SMP Capable | Yes, optimized for multi-processor systems |
| Video Capture | 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 | Full resolution per channel |
| | Display | Full screen with DirectDraw™ capable graphic card |
| | Text and Graphics Overlay | Yes, programmable per channel |
| | Watchdog function | Yes, programmable with automatic failure log |
| | Audio Formats | Up to 48KHz 16-bit stereo |
| | AV Synchronization | 2 or 4 fully-synchronized audio/video channels |
| Videum Breakout Box | Video Input | 4 BNC (4 Composite or 2 S-video) |
| | Audio-In 1 | 2 duplex XLR ¼ " jacks (balanced stereo) |
| | Audio-In 2 | 2 – ¼ " TRS-phono jacks (balanced stereo) |
| | Audio-Out | 2 – ¼ " TRS-phono jacks (balanced stereo) |
| System Requirements | Driver Support | VFW, DirectShow |
| | CPU | Pentium 3 or better |
| | PCI | One free 32-bit or 64-bit PCI slot |
| | System Memory | 128MB |
| | Operating System | Windows NT, 2000, XP, Vista |
| | Voltage | 12.8W |
| | Dimensions | Universal capture cards for 32-bit and 64-bit slots 6.77" x 4.25" 172mm x 108mm |

For More Information

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