



Videum 4400 AV

Capture four channels of full resolution video, 24/7/365.

Key Features

Multi-Channel Capture Architecture

- Capture 4 video input signals
- Captures 640x480 (NTSC) at 30fps
- Captures 704x576 (PAL) at 25fps
- Superior image quality
- Customize resolution, frame rate, and compression
- Upgradeable hardware via download
- Local and remote switching of all four camera inputs
- Real-time capture & preview of analog video streams
- Customized resolution, frame rate and compression
- Motion JPEG compression

Surveillance Customization

- Integrated watchdog function
- Automatic failure log bug tracking
- Remote pan, tilt and zoom inputs
- Alert detection and event signaling
- Reliable 24/7 operation.
- Remote control image properties
- Identify cameras with graphic overlay
- Timestamp overlay

Multi-Processor and Multi-Board Capability

- Supports multiple boards per system
- Supports multi-processor systems
- Universal, fits 32-bit and 64-bit slots

Videum 4400 AV is a four channel audio/video capture card that delivers both the highest broadcast quality video required for on-the-air streaming of live events and absolute reliability necessary for successful video surveillance. Its the only capture card available that captures an impressive four independent audio and video signals with D-1 resolution at 30 fps per channel, and Videum 4400 AV enables fast switching between four video sources either manually or automatically. Switching between video sources can be performed locally or remotely without interrupting the capture process. This powerful combination can quickly add value to your applications for manned or unmanned video surveillance systems. One Videum 4400 AV has the same performance as four single channel capture cards with the same slot footprint.

A built-in watchdog function that automatically performs a system reboot in the event of a software lock-up, allowing for complete unattended operation, 24x7x365. It also provides an automatic failure log for monitoring the solution's performance. Field tested components, and the ability to work with both VFW & DirectShow drivers deliver reliable operation. An included Videum SDK allows OEMs and system integrators to address individual client requirements and provide customized value add features to hardware devices. Developers and integrators can easily customize their own web-based applications as requirements demand.

The Videum 4400 AV 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 at an affordable price.



Videum 4400 AV Technical Specifications

Hardware and Driver	Multi-board Capable SMP Capable	Yes Yes, optimized for multi-processor systems
Video	Video Sources Video Capture Channel Video Connections Connector Type Video Capture Formats Uncompressed video Image Size Image Properties Video Capture Performance Digital I/O Display Text and Graphics Overlay Date and Time Overlay Watchdog Function	4 4 independent channels, aggregate 120fps 4 composite BNC NTSC or PAL Motion JPEG Compressed Video (YUV 4:2:2, YUV4:2:0, or RGB) 32x24 to 640x480 (NTSC) 32x24 to 704x576 (PAL) Brightness, contrast, hue, saturation Remotely controllable via IP Up to 640x480 at 30fps (NTSC) per channel Up to 704x576 at 25fps (PAL) per channel 8 port TTL I/O with interrupt/event signaling Full screen with direct draw capable graphic card Yes, programmable per channel Yes, programmable per channel Yes, programmable with automatic failure log
Audio	Audio Sources Audio Capture Channel Audio Connections Audio Output Audio Samplings	4 stereo 1 independent channels 4 – ¼ “ mini jack via breakout cable 1 onboard stereo audio line/headphone output Up to 48 KHz 16-bit stereo
System Requirements	CPU PCI System Memory Operating System Power Consumption Dimensions	Pentium 3 or better One free 32-bit or 64-bit PCI slot 128MB Windows NT, 2000, XP, Vista 7.8W 6.3: x 3.86” 160mm x 98mm
Development Kit	Development Platforms ActiveX Components Sample Programs	HTML and web scripting, Visual C++, Visual Basic Video & audio capture and preview Remote control for video source selection Watchdog setup Digital I/O's control Audio monitoring Web based digital inputs Web based automatic source switch Web based automatic pan/tilt/zoom

For More Information

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