



Videum 4400 VO

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

Key Features

Imaging Capability

- 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 VO is a four channel video only 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 VO 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 VO 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 VO 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 VO Technical Specifications

Hardware and Driver	Multi-board Capable	Yes
	SMP Capable	Yes, optimized for multi-processor systems
Video	Video Sources	4
	Video Capture Channel	4 independent channels, aggregate 120fps
	Video Connections	4 composite
	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	32x24 to 640x480 (NTSC) 32x24 to 704x576 (PAL)
	Image Properties	Brightness, contrast, hue, saturation Remotely controllable via IP
	Video Capture	Up to 640x480 at 30fps (NTSC) per channel Up to 704x576 at 25fps (PAL) per channel
	Digital I/O	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
	Date and Time Overlay	Yes, programmable per channel
Watchdog Function	Yes, programmable with automatic failure log	
System Requirements	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, 7
	Voltage	32Bit/33MHz PCI "Universal" (3.3 & 5V) card
	Dimensions	6.3" x 3.86: 160mm x 98mm
Development Kit	Development Platforms	HTML and web scripting, Visual C++, Visual Basic
	ActiveX Components	Video capture and preview Remote control for video source selection Watchdog setup Digital I/O's control
	Sample Programs	Web based digital inputs Web based automatic source switch Web based automatic pan/tilt/zoom

For More Information

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