



## Videum 4100 AV

### The reliable single channel video capture solution

#### Key Features

##### Imaging Capability

- Captures at 640x480 (NTSC)
- Captures at 704x576 (PAL)
- Superior image quality
- Local & remote switching
- Customize 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

- Multiple boards per system
- Supports multi-processor systems
- Fits 32-bit and 64-bit slots

In today's high-threat environment, increased security in every organization has become a necessity. Whether the security focus is on airports, office buildings or retail establishments, the ability to monitor multiple cameras in real-time is essential. Videum provides affordable and reliable video capture solutions specifically engineered to work seamlessly with surveillance.

The Videum 4100 is a single channel audio/video capture card designed for security applications and video surveillance. It supports four composite video inputs from which one channel can be captured. The Videum 4100 captures one stream up to 640x480 pixel resolution at 30 frames per second. Videum 4100 AV's software also features an applet that enables fast switching between the four video sources either manually or automatically. It also includes a software applet that allows users to automatically switch between video sources, locally or remotely, without stopping the capture process. Sequence timing may be set-up by the user making the Videum 4100 AV ideal for casino, retail, and office building surveillance. Videum 4100 AV contains 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.

The Videum 4100 is easily integrated into any video surveillance system. That's why leading manufacturers such as Cisco™, GE™, and Tyco™ choose Videum video capture cards to power the video capture functionality in their own products. Videum 4100 AV enhances video surveillance through reliable, scalable, feature-rich technology that only comes from Winnov.



## Videum 4100 AV Technical Specifications

<b>Video Capture</b>	Video Sources	4
	Video Capture Channel	1 single channel
	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)
	Digital Zoom	Up to 4:1 – remotely controllable via IP
	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
	Text and Graphics Overlay	Yes, programmable per channel
	Date and Time Overlay	Yes, programmable per channel
Watchdog Function	Yes, programmable with automatic failure log	
Av Synchronization	2 or 4 fully-synchronized audio/video channels	
<b>Audio</b>	Audio Sources	4 stereo
	Audio Capture Channel	1 single channel
	Audio Connections	4 – ¼ “ mini jack via breakout cable
	Audio Output	1 onboard stereo audio line/headphone output
	Audio Samplings	Up to 48KHz 16-bit stereo
<b>System Requirements</b>	CP	Pentium 3 or better
	PCI	One free 32-bit or 64-bit PCI slot
	System Memory	128MB
	Operating System	Microsoft Windows NT, 2000, XP, Vista
	Power Consumption	3W
	Dimensions	6.3” x 3.86” 160mm x 98mm
<b>Development Kit</b>	Development Platforms	HTML and web scripting, Visual C++, Visual Basic
	ActiveX Components	Video & audio capture and preview Remote control for video source selection Watchdog setup Digital I/O’s control Audio monitoring
	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 4100 AV, the Videum family of products, and other Winnov encoding & streaming solutions, visit [www.winnov.com/products](http://www.winnov.com/products).