Videum 0016 VO

Reinforce your video surveillance infrastructure with sixteen additional sets of eyes.

Key Features

Multi-Channel Capture Architecture
- Capture 16 video input signals
- Captures 640x480 (NTSC) at 30 fps
- Captures 720x576 (PAL) at 30 fps
- 16 simultaneous streams
- 16 composite video connections
- Superior image quality
- Upgradeable hardware via download

Imaging Capability
- Programmable image size per source
- Full screen display with direct draw
- Complete control of all video properties
- Video capture in various compression formats

Surveillance Customization
- Watchdog functionality
- Motion detection, independent per source
- Digital I/Os available
- Event-driven monitoring
- Configurable text and graphic overlays
- Select date & time overlays by source

Multi-Processor and Multi-Board Capability
- Optimized for multiprocessor systems
- IRQ and DMA conflict-free
- PCI 2.2 compliant
- 32-bit and 64-bit PCI slot compliant
- Low power consumption.

The ultra high-performance Videum 0016 VO solution captures an unprecedented sixteen simultaneous video streams from sixteen independent video sources at a remarkable price.

Powerful features including upgradable hardware via download, complete control over all video properties and per channel motion detection capability makes video surveillance easy to manage. Winnov's Elastic Buffer architecture, coupled with a Multi-DMA engine deliver clear and sharp images at high field rates with low CPU utilization and low power consumption. With up to 240 fields per second aggregate video bandwidth per card in the system, Videum 0016 provides the highest ROI on performance and dependability in a multi-camera deployment. Field tested components and bulletproof drivers provide ongoing reliability on a 24/7/365 basis.

Leverage your existing surveillance network infrastructure with Videum 0016 VO. Our cards are designed to leverage multi-processor systems and are scalable to multi-board systems without the typical bus conflicts found with capture cards that lack an on-board frame buffer. Additionally, Videum 0016's patent pending technology revolutionizes the video capture industry with a solution that allows hardware to be upgraded via software download.

Built on a highly stable platform, Videum 0016 VO supports hundreds of existing applications including leading intelligent video surveillance, video recording and video streaming applications. The 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.

Leading manufacturers such as CISCO™, GE™, and TYCO™ choose Videum video capture cards to power the video capture functionality in their own products. Videum 0016 VO enhances video surveillance through reliable, scalable, feature-rich technology that only comes from Winnov.

Videum 0016 VO Technical Specifications

Video	Video Sources	16 input ports
	Field Rate	Up to 240 fields per second aggregate
	Video Connectivity	16 Composite
	Video Input Formats	NTSC-M, PAL, BDGHI
	Connector Type	16 x BNC
	Image Size	Programmable per channel Up to640x480 (NTSC) Up to 720x576 (PAL)
	Capture Formats	Motion JPEG video, WM9, MPEG4, MJPEG Lossless Huffman Uncompressed video (YUV 4:2:2, YUV 4:2:0, RGB)
	Image Properties	Brightness, contrast, hue, saturation
	Display	Full screen with direct draw capability
	Deinterlacing	Yes
	Elastic Frame Buffer	Yes
	Video Signal Termination	Selectable via jumper
Surveillance Features	Watchdog Function	Programmable with automatic failure log
	Motion Detection	Independent per channel, configurable mask
	Digital I/O's	32 digital TTL I/O via on-board connector Additional I/O module available with external header
	Text and Graphic Overlay	Configurable globally; per card per slot
	Date and Time Overlay	Configurable per card and per source
Hardware and Drivers	Board Dimensions	6.65" x 3.86" 169mm x 98mm
	PCI	PCI 2.2 compliant; universal card for 3.3 and 5V 32-bit/33 MHz and 64-bit PCI slot compatible
	PCI Resources	PCI Busmaster; single IRQ
	Multi-board Capability	Yes, IRQ and DMA conflict-free
	SMP Compatibility	Yes, optimized for multiprocessor systems
	Power Consumption	2.5W
	Upgrades	Hardware upgradeable via software download
System Requirements	CPU	AMD and Intel CPU support, 1GHz or higher
	Memory	128MB
	Operating System	Microsoft 2000, XP, Vista, 7, Windows Server 2003, 2008 (DirectX9 required)
Software Applications		
	Software Applications	Windows Media™ Encoder, Messenger, Helix DNA™
Development Kit		
	Development Platforms	HTML and web scripting; Visual Basic, .net, C Sharp
	SDK Components	Watchdog setup Digital I/O control – event driven Video monitoring and control – out of process Video Capture and preview Bitmap and text overlays Multiple format options Motion detection

For More Information

For more information about Videum 0016 VO, the Videum family of products, and other Winnov encoding & streaming solutions, visit **www.winnov.com/products.**

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