



iRecord Video Interrogation System Requirements + Technical Specifications



Single and Dual Encoding System Specifications

Black ATX HTPC Desktop Home Entertainment Case

iRecord Port License(s) and Software

KINGSTON KVR1066D3N7/1G 2GB 1066MHz DDR3 Non-ECC CL7 DIMM
SONY/NEC AD7220S 20X DVDRW+RAM BLK/NOSW
INTEL BLKDP45SG LGA775 P45/DDR3/RAID/A&GbE/ATX
HITACHI DESKSTAR P7K500 500GB SATA 7200RPM 16MB-0A35415
MICROSOFT OEM WINDOWS 7 CD/XPP DOWNGRADE
ANTEC TRUEPOWER TRIO 650W POWER SUPPLY
INTEL C2D E6550 DC LJA775 2.33G 4MB 1333MHz OEM PROCESSOR
INTEL GENUINE LGA775 HEATSINK/FAN
ASUS EN8400GS SILENT/HTP/512M DVI/HDCP PCIE VIDEO CARD/512M
DVI/HDCP PCIE VIDEO CARD

Microsoft Windows XP Pro Edition OEM Version & SP3

Viewsonic 17" LCD Monitor & Logitech Deluxe Optic Mouse and Keyboard

Length: 17.5" - Width: 17" - Height: 6.5"

All CPUs should be purchased with Intel Hyper threading technology. Also, it's recommended that Intel chipsets be used on the motherboard for compatibility and performance.

The operating system may vary depending on network load. If more than five workstations required access to the evidence vault, Windows 2000/2003 server is required. If the system will not be on a network, then Windows XP Professional can be used.

The latest Windows service pack should be applied regardless of the Windows OS is selected.

The system should also have an uninterruptible power supply to prevent data loss from a power outage.



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Capture Specifications

Multiboard capable:	Yes, no interrupt or DMA conflicts
SMP capable:	Yes, optimized for multi-processor systems
Video	
Video Sources:	4
Video Capture channels:	4 independent channels, aggregate 120 fps
Video Connections:	4 composite
Connector Type:	BNC
Video Standard:	NTSC or PAL
Capture Formats:	Motion JPEG Compressed Video Uncompressed Video (YUV4:2:2, YUV4:2:0, or RGB)
Image Size:	Programmable per channel 32x24 to 640x480 (NTSC) 32x24 to 704x576 (PAL)
Image Properties:	Brightness, Contrast, Hue, Saturation
Video Capture Performance:	Up to 640x480 at 30fps (NTSC) per channel Up to 704x576 at 25fps (PAL) per channel
Digital I/Os:	8 Port TTL I/O with interrupt/event signaling
Display:	Full screen with direct draw capable graphic card
Text and Graphics Overlay:	Yes, programmable per channel
Date and Time Overlay:	Yes, selectable per channel
Watchdog Function:	Yes, programmable with automatic failure log
Audio	
Audio Sources:	4 stereo
Audio Capture Channels:	4 independent channels
Audio Connections:	4 stereo 1/4" mini jack via breakout cable
Audio Output:	1 on-board stereo audio line/ headphone output
Audio Sampling:	Up to 48Khz 16-bit stereo
Audio&Video Synchronization:	4 fully-synchronized audio and video channels
PCI:	One free PCI slot 32-bit/33 MHz
Voltage:	It is a 32Bit/33MHz PCI "Universal" (3.3&5V) card Can be plugged in both 32 and 64 Bit PCI slots
Board Dimensions:	6.25" (L) x 3.75" (H) - 15.87 cm (L) x 9.525 cm (H)



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Capture Specifications

Video Specifications

MPEG-2 Data Rate (Quality) = 2.5 to 5 MBits per second

MPEG-2 Frame Rate = 30 Frames per Second

MPEG-2 Frame Size = 720x480

MPEG-2 Audio = 48 KHz – 16 bit stereo

MPEG-2 Target = Television DVD

Windows Media Data Rate (Quality) = 100 to 400 KBits per/sec

Windows Media Frame Rate = 10, 15, or 30 Frames per Second

Windows Media Frame Size = 320x240

Windows Media Audio = 32 KHz – 16 bit stereo

Windows Media Target = Windows XP PC CD or DVD

Low Data Rate: 250 KB

Med Data Rate: 440 KB

High Data Rate: 1.32 MB

***Note: These data rates can be adjusted up or down as Custom Profiles for you. If you wanted Low for example 64 KB and High to be 2 MB we can adjust it for you. Each Room can have its own separate Data Rate.**

Capture four independent audio* and video channels at 640x480 30 fps (NTSC) or 768x576 - 25 fps (PAL) on one PCI slot - 30 frames per second from all input sources simultaneously

Real-time capture and preview of analog video streams via multi-channel display of the 4 video inputs

Supports Monochrome and Color, PAL/NTSC cameras

MPEG Capture Specifications:

Supports multiple MPEG capture boards per encoder

Dual high quality MPEG2 video and audio encoders

One back panel composite/s-video plus stereo audio inputs

One A/V back panel set with S-Video, composite and left/right audio input connectors plus Two on-board A/V headers, to connect to two more A/V sources



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