DEXIS

This document specifies the requirements for a complete DEXIS® system with video capture, scanning and X-ray functionality. This list contains TESTED system devices. Deviation from this list may result in hardware or software compatibility issues. Contact **DEXIS Telephone Technical Support at 1-888-883-3947 option 4, then 3** for a comprehensive review of your existing computer system or proposed new computer system BEFORE purchasing any supplementary hardware or software to ensure compatibility with DEXIS and to avoid costly mistakes.

Item	Highly Recommended	Minimum Requirements	Notes
CPU	Intel® or AMD® 1.5 GHz or higher	Intel® Pentium® 4 or higher	CPU speed has major impact on system performance.
Motherboard	Intel® and VIA® PCI Bus chipsets ONLY	Intel® and VIA® PCI Bus chipsets ONLY	Non-namebrand computers can cause hardware compatibility issues. SiS® chipset/AMD® processor combinations WILL create problems. NVIDIA chipsets are not supported.
Operating System	**Workstations:** Windows XP Pro; Windows Vista Business, Premium, or Ultimate (32 bit editions) **Servers:** Windows® 2003 Server/ Windows® 2008 Server	Windows® XP Pro; Windows® XP Home; Windows® Vista 32 Bit	Dedicated file servers running Windows® 2003 Server or Windows® 2008 Server are recommended in networks with more than 5 imaging workstations. DEXIS does not support 64 bit editions of Windows® XP Pro or Windows® Vista, nor Windows 98.
	Note: When using DEXIS software in conjunction with Gendex® imaging devices, use GxPicture 2.51 or higher.		
System Memory	**Workstations:** 1 GB or higher; 2 GB if running Windows Vista **Servers:** 2 GB or higher	**Workstations:** 512 MB or higher **Servers:** 1 GB or higher	Memory has major impact on system performance.
Hard Disk Drive	**Workstations:** 80 GB or larger **Servers:** 250 GB or larger	**Workstations:** 80 GB or larger **Servers:** 120 GB or larger	Do not run any type of compression utility when running out of disk space.
Display Adapter	Capable of 1024 x 768 pixels in 24 or 32 bit color	Capable of 1024 x 768 pixels in 24 bit color	Must be compatible with your capture card if you plan on using video capture.
Monitor	**CRT:** Brand name, 17" or larger, capable of a min. of 1024 x 768 and a min. of .25 dot pitch **LCD:** Native resolution 1024 x 768 or higher; contrast ratio 400:1 or better; must display all shades of gray accurately	Brand name, 15" or larger, capable of 800 x 600 with a minimum of .25 dot pitch	Your monitor is a vital component in seeing quality images. Low-quality screens will prevent you from proper diagnoses and treatment. Most cheap LCD displays are NOT suitable for Digital X-ray. LCD monitors must be used in native resolution; be aware that icons and text appear small if the resolution is high. ✦
PC Card Reader	**Desktops:** Elan P423/424 (internal/external, with full height PCI card), Elan P314 (external, with low profile PCI card), Amtron PCD-TP-110CS; **Laptops:** Type II PCMCIA slot ✦		PC card reader is required only for DEXIS systems using a PC card sensor controller. PCI Express is not supported. ✦
USB	DEXIS Platinum Sensor and DEXusb™ support USB 2.0 and 1.1. 3ft and 15ft cable extenders are available for the DEXIS Platinum Sensor. DEXusb maximum USB cable length is 15 feet.		A USB port is required for the DEXIS Platinum Sensor, DEXusb™ sensor controller and DEXcam/DEXcam 3.
Network Card	10/100/1000 baseT network cards		USB recommended for laptops without onboard network card. Wireless networks are not recommended.
Scanner	DEXIS is compatible with most professional TWAIN compatible scanners. A full-sized transparency adapter which covers the entire scan area is highly recommended. ✦		Full-size transparency adapters may be sold separately from the scanner. Verify the availability of a suitable transparency adapter before purchasing a scanner.
Printer	Photo quality inkjet printers		Use the manufacturers' recommended photo quality paper for best results.
Video Capture Card	For I/0 camera: Viper Card (PCI)		Not required for USB cameras.
CD/DVD Drive	32x IDE CD-ROM/4x DVD	4x IDE CD-ROM	CD drives required for DEXIS software installation only.
Backup Media	Removable/portable, external hard disk drive		Daily back-up of X-ray images and patient data is a professional responsibility. We strongly recommend a backup for every day of the week and an additional backup for the last day of every month.
Digital Camera	Brand name, capable of 640 x 480 or higher, 24 bit color images		Flash Card or SmartMedia Card needed.
Intra-oral Camera	DEXcam™/DEXcam 3™, Gendex® AcuCam Concept® IV FWT, Gendex® GXC-300, Dentrix® imagecam®HD, or intra-oral camera with S-Video or Composite output	Call DEXIS Telephone Support to see if your current model will work correctly.	Computers may need powered external USB hub for USB cameras.
X-ray Heads	Should support 60–70 kVp and timer settings from 0.06–0.20 seconds. User adjustable line voltage on X-ray timers is not recommended.		Note: DEXIS supports a wide variety of X-ray machines, but not all heads are suitable for digital X-ray! ✦

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