

Minimum Imaging Requirements

This is a detailed technical document designed to assist with your Dolphin system implementation. If you are computer-literate and able to research, purchase, configure and setup your own equipment, this document will help you. If you are not familiar with the terminology in this document, we recommend that you contact either Dolphin or a local certified technician to assist with your implementation. Dolphin is proud to offer the most effective imaging solutions in the industry. Unlike practice management or financial applications, imaging and diagnostics demand computer resources. For example, the disk space used for an imaging application is at least 100-times that

of financial programs. Therefore, it is imperative that the computer and its peripherals are properly selected and configured for optimum performance. The Dolphin Imaging program WILL run on most existing PCs. However, you want the system to perform as efficiently as possible. We want to assist in upgrading your practice with cutting-edge imaging technology.

For more information, please contact one of our sales consultants at sales@dolphinimaging.com or visit us on-line at www.dolphinimaging.com

| Component | Minimum | Recommended | Notes |
|---|---------------------------------------|---|---|
|  Operating System | Windows XP Pro with SP 2 | Windows XP, Vista, 2003 Server, 2008 Server or Windows 7 | For all supported operating system generations, Dolphin Imaging supports both the 32 and 64-bit versions, and supports the Business/Professional, Enterprise, and Ultimate Editions. |
|  Processor (CPU) | Intel® Pentium 4, 2.0Ghz | Intel® Core 2 Duo or higher | High resolution images requires faster CPU for processing. |
|  Hard Drive | 20GB of free space | 500 GB or higher | About 100M is required for full program installation; on average, each complete patient record, a full set of facial/mouth series, x-ray images, occupies 5MB. Note: If you are using the Dolphin3D module, each 0.4mm full-view scan requires half a GB, so you will want much larger disk space. |
|  Memory (RAM) | 512 MB(1 GB for Dolphin 3D) | 2 GB or higher | This memory is used for rapid access to commonly used programs, the more RAM the more programs you can have open at the same time. |
|  Video/Graphics | Resolution: 1024×768 at 24 bit color | Resolution: 1280×1024 @ 24-bit, 75Hz refresh rate. | |
|  Accelerated Video/Graphics | None | 256 MB video card, based on one of these DirectX 9.0 graphics engines or better: NVIDIA 7300 GS or ATI HD2400 Pro | Accelerated card is only used if you are viewing or editing 3D ConeBeam or 3D photo images. Our 3D software can run without such a card, but some of the advanced rendering modes will be disabled. Faster cards, such as NVidia 8800 GT will run Dolphin3D significantly faster. When purchasing a video card, ensure that it matches your bus interface (AGP, PCI Express, etc.). Dolphin3D does not support Intel graphics cards. Contact a local tech for assistance. |
|  Monitor | 15" monitor | 17" monitor | 17" monitor or larger is recommended for patients' consultations. If desk-space is a concern, a flat-screen LCD monitor is recommended |
|  Camera Drive | Depending on camera | Depending on camera | PCMCIA, CF or SM drives. Most new cameras use USB port to transfer images, PC Card drive may not be necessary, but recommended. Most notebook computers have a built-in PCMCIA drive. |
|  Internet Connection | Broadband connection | Broadband connection of 768Kbps or faster | Needed for remote access (for Dolphin Imaging technical support), and for automatic Dolphin updates. Network must be configured by local tech. |
|  Antivirus | Virus protection coverage | Virus protection coverage | Norton Antivirus or equivalent software is recommended. Frequent updates to virus subscription are extremely important. |
|  Sound | None | Recommend | Our voice-prompt digitizing guide walks you through each landmark. This is very useful in staff training and speeds up the digitizing process. |
|  Archive/Backup | Tape Drive | Tape Drive | Recommended devices: Removable hard drive, large capacity tape drives. |
|  DVD-ROM Drive | Required | Required | Dolphin software comes on DVDs. A DVD-RW may be used for patient transfer purposes only; not recommended for long term backup. |
|  Network | None | 10/100 network card (gigabit for Dolphin3D) | Consult your network technician for more details. |
|  Digital Camera | A minimum 3 megapixel (MP) | A minimum 3 megapixel (MP) | Due to the large number of acceptable cameras available, Dolphin does not endorse any specific model or vendor. Practitioners should research the market and choose a camera appropriate to the needs of the practice. |
|  Printer/Output | 720dpi color inkjet printer | 1440 dpi color inkjet, or Dye sublimation | USB printer recommend for easy connection increased printing speed. For high volume practices a dye sublimation printer is preferred for speed and quality. |
|  Scanner | 150 dpi for x-rays 300 dpi for photos | 1,600 dpi if slides will be scanned | A transparency adapter (TA) is required for scanning x-rays or slides. Note that not all scanners offer this option and not all TA's can scan full-size x-rays. |
|  Word Processor | MS-Word 2003, 2007, 2010 | MS-Word 2003 or higher | Microsoft Word is needed if you use the optional Dolphin Letter System. Office 2010 is the first of the MS Office suites to offer both a 32-bit and a 64-bit option. We are not compatible with the 64-bit edition of Office 2010. However, we are compatible with the 32-bit edition of Office 2010, even if it is running on a 64-bit edition of Windows. |

Other Requirements:

- Prior to in-office training all software must be installed and a modem line or broadband must be installed to connect the designated Dolphin Imaging workstation. This line does not need to be "dedicated" it can be shared with any existing fax or modem line.
- Please have your computer technician "keep-in-touch" with us regarding any questions to reduce or avoid additional charges.