

MaximEyes® 6.0



MaximEyes® by First Insight®
Paperless Practice Management and
Electronic Medical Records Software

Minimum Hardware Requirements for Multi-User Systems

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The hardware and software listed within this document has been tested and is supported by maximEyes versions 6.0 and higher. To ensure optimum software performance and data integrity, First Insight requires that you use only tested and supported hardware and software.

When you purchase new hardware, First Insight highly recommends that you **exceed hardware minimum requirements** (processor speed, RAM, etc.) to stay ahead of advancing technology. **It is very important to use high quality hardware where high performance is necessary.**

We highly recommend that you hire a certified hardware and networking technician to assist you with installations, networking, and upgrades. We highly recommend that you use Microsoft® certified MCSE technicians and always follow-up with references.

Wireless Networking: Wireless networking offers significantly lower performance and reliability than hard-wired networks. Therefore, First Insight highly recommends that you install hard-wired networks where high performance is necessary for business critical applications. First Insight does not provide technical and hardware support for networking your office. Consult with your certified hardware and networking technician to ensure that your system is properly configured.

Notebooks and Tablet PCs: MaximEyes is compatible with many Notebooks and Tablet PCs, as long as your server and workstations meet maximEyes server and workstation requirements. MaximEyes is best viewed at 800 by 600 pixels. Some Tablet PCs do not display at this resolution.

MaximEyes® Server – Cannot Be Used as a Workstation

Your server acts as a file cabinet that stores data files. Data is accessible from other computers on the network.

➔ **Dedicated Server:** For optimal performance, First Insight highly recommends that you have a dedicated network server to operate maximEyes and that no other applications are shared or run from the server.

➔ **Renaming Your Server:** If you replace your server and want to view any images that are attached to a maximEyes patient record and Exam Manager, you must rename the new server with the **exact name** of the one that you replaced.

Hardware Item	Strongly Recommend	Minimum Requirements	Additional Information
Processor	Pentium® 4 at 3 GHz or faster	Pentium® 3 at 1 GHz or faster	
Operating System	Windows Server 2003 with Service Pack 1 or 2 (supports any number of workstations); or Windows 2000 Server with Service Pack 4 (supports any number of workstations); or Windows 2000 Professional with Service Pack 4 (supports up to 10 workstations); or Windows XP Professional with Service Pack 2 (supports up to 10 workstations)	Windows 2000 Server with Service Pack 4 (supports any number of workstations); or Windows 2000 Professional with Service Pack 4 (supports up to 10 workstations); or Windows XP Professional with Service Pack 2 (supports up to 10 workstations)	<ul style="list-style-type: none"> First Insight requires Microsoft® NET Framework 2.0 (and available security updates for 2.0) for all maximEyes installations. First Insight highly recommends that all available security updates from the Microsoft® update site be applied to all machines that use maximEyes. First Insight highly recommends that you consult a certified hardware/networking technician regarding the requirement for Client Access License (CAL) from Microsoft®.
Memory (RAM)	2 GB or higher RAM	512 MB or higher RAM	
Hard Drive(s)	A dedicated partition with 30 GB or more FREE SPACE	A dedicated partition with 10 GB or more FREE SPACE	Scanning features may require additional storage space.
CD Drives	CD-ROM Drive		Refer to "Backup Media" on page 2 of this document for more information.
Monitor	17" SVGA color monitor; best viewed with display set to 800 by 600 pixels	15" SVGA color monitor; best viewed with display set to 800 by 600 pixels	MaximEyes is best viewed at 800 by 600 pixels; however, it can be displayed at higher screen resolutions.
Internet Access	Broadband Internet connection is required.		Additional Internet bandwidth may be required for remote locations. Contact a First Insight sales representative for more details.

First Insight®, maximEyes® and paradEyes.com® are registered trademarks of First Insight Corporation. Other product and company names listed may be the trademarks of their respective owners. **Hardware requirements are subject to revisions or updates.** Contact your First Insight sales representative for the latest requirements. Revised May 17, 2010. (For maximEyes versions 6.0 only).

MaximEyes® Server – Cannot Be Used as a Workstation

Your server acts as a file cabinet that stores data files. Data is accessible from other computers on the network.

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➔ **Renaming Your Server:** If you replace your server and want to view any images that are attached to a maximEyes patient record and Exam Manager, you must rename the new server with the **exact name** of the one that you replaced.

Hardware Item	Strongly Recommend	Minimum Requirements	Additional Information
Network Adapter	100 Mbps Ethernet or 100/1000 Mbps Ethernet		
Uninterruptible Power Supply (UPS)	UPS on server.		Loss of power can damage your system. A UPS can help control the level of electric power coming into your system and it provides a back up battery to keep your system running long enough to safely shut the system down.
Backup media	Any high-density removable storage media: tape, CD/DVD-RW, Flash drive or portable hard drive. Please consult with your hardware/networking technician. For more information about online data backup, storage and recovery, contact DataHEALTH at 888.656.3282, Option 1 or visit www.datahealthusa.com . Evaluate the service with a 30-day no obligation free trial. Ask DataHEALTH about special pricing for First Insight customers.		First Insight recommends that you arrange for offsite storage of your backup media files. Consult a certified hardware/networking technician about the backup data size you will need and how to arrange for backup/disaster recovery BEFORE you select the media.
Remote Support	GoToAssist® and GoToMyPC®		First Insight uses HIPAA-compliant GoToAssist® GoToMyPC® technology for all remote access. For other remote access, consult a certified hardware/networking technician.

MaximEyes® Workstations

Hardware Item	Strongly Recommend	Minimum Requirements	Additional Information
Processor	Celeron® or Pentium® 4 at 3 GHz or faster	Pentium® 3 at 1 GHz or faster	
Operating System	Windows® 7 Professional (x86) - or- Ultimate (x86); or Windows XP Professional with Service Pack 2	Windows® 7 Professional (x86) - or- Ultimate (x86); or Windows® 2000 Professional with Service Pack 4; or Windows XP Professional with Service Pack 2; or Windows XP with Service Pack 2	<ul style="list-style-type: none"> MaximEyes requires that all operating systems be 32-bit versions only; MaximEyes does not support any 64-bit operating system. MaximEyes does not support any Windows® Home Premium -or- Home Editions for: XP, Vista, & Windows 7. All operating systems must be Professional -or- Ultimate only. First Insight requires Microsoft® .NET Framework 2.0 (and available security updates for 2.0) for all maximEyes installations. First Insight highly recommends that all available security updates from the Microsoft® update site be applied to all machines that use maximEyes. First Insight requires that User Account Control (UAC) be turned off on Vista and Windows 7 machines.
Memory (RAM)	1 GB or higher	512 MB or higher	
Hard Drive(s)	3 GB or higher of FREE SPACE	2 GB or higher of FREE SPACE	
Drive(s)	CD-ROM drive		
Monitor	17" SVGA color monitor; best viewed with display set to 800 by 600 pixels.	15" SVGA color monitor; best viewed with display set to 800 by 600 pixels.	MaximEyes is best viewed at 800 by 600 pixels; however, it can be displayed at higher screen resolutions.
Internet Access and Modem	Broadband Internet connections are required on each workstation.		Many electronic claim carriers will NOT accept claims sent via the Internet and they require an analog modem (56 Kbps) for transmission on a single workstation.

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MaximEyes® Workstations

Hardware Item	Strongly Recommend	Minimum Requirements	Additional Information
Network Adapter	100 Mbps Ethernet or 100/1000 Mbps Ethernet		
Uninterruptible Power Supply (UPS)	UPS on each workstation.		Loss of power can damage your system. A UPS can help control the level of electric power coming into your system and it provides a back up battery to keep your system running long enough to safely shut the system down.

Other Requirements and Recommendations

Hardware/ Misc. Item	Strongly Recommend	Additional Information
Internet Access	Broadband Internet connections are required on all workstations to: <ul style="list-style-type: none"> Use all Web-enabled maximEyes modules, links and integrations. Access First Insight online technical support. 	
Switches or Routers	100/1000 Mbps Switch	Depending on your system requirements you may need to purchase higher quality switches to ensure maximum performance. We highly recommend that you consult your hardware/networking technician before you purchase any hardware.
Printers	<ul style="list-style-type: none"> Hewlett Packard (HP) LaserJet printers with a postscript (PS) driver are compatible with maximEyes. Contact Hewlett Packard, www.hp.com or 800.752.0900 for more information about HP printers. If you have additional questions about a specific printer, contact First Insight before you purchase a printer. 	<ul style="list-style-type: none"> Printer MUST have a postscript (PS) driver specifically designed for the printer you install. DO NOT install any other type of driver and DO NOT install a universal postscript driver due to possible incompatibility issues. Printer MUST have only one or two trays. The following printers may not operate properly and are not recommended: Multi-function (all-in-one machine that faxes, prints and copies), bubble jet and inkjet printers. Networked printers (with more than one workstation): First Insight highly recommends that you have one network interface card for printing capabilities to ensure more stable and quicker printing. If you will be sharing printers with other workstations, First Insight highly recommends that you consult your hardware/networking technician. We highly recommend that you check out the manufacturer website as you evaluate hardware and make your final decisions. You will always be able to get the most up-to-date information on printer limitations or new offerings.
FRAMES Data	SPEX UPC CD-ROM from Frames Data (monthly) Contact FRAMES Data, www.framesdata.com or 866.265.3267	<ul style="list-style-type: none"> MaximEyes integrates with the monthly SPEX UPC CD-ROM from Frames Data (available from FRAMES Data through an annual subscription). Before you can use the monthly SPEX UPC CD-ROM from Frames Data, you must purchase the Frame Data Link from First Insight. For more information, contact First Insight. Note: MaximEyes no longer integrates with the Quarterly Frames Data CD.
Printers (charts and mailing labels)	Dymo LabelWriter 400/400 Turbo www.dymo.com	
Label Printers (inventory barcode tags)	<ul style="list-style-type: none"> Datamax E4203 Thermal Transfer Printer Datamax E4204 Thermal Transfer Printer Datamax E4205 Thermal Transfer Printer Tags: TT364 Mylar, TT307W Mylar, TT316 Piggyback label (all work with Datamax E4203 and E4204 printer with thermal transfer only). Contact Arch Crown®, www.archcrown.com or 800.526.8353 for more information. 	<ul style="list-style-type: none"> MaximEyes will ONLY support the labels we've listed under "Strongly Recommend." MaximEyes cannot support TT304 or TT307.

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Hardware/ Misc. Item	Strongly Recommend	Additional Information
Barcode Reader	<ul style="list-style-type: none"> Metrologic Voyager®, www.metrologic.com or 856.228.8100, recommend Metrologic MS9540 and MS9520 Arch Crown®, www.archcrown.com or 800.526.8353 Gryphon GBT4100 by Datalogic™ (wireless barcode scanner), 800.929.3221 or www.scanning.datalogic.com/sitefiles/gryphonibt4100.aspx Note: First Insight does NOT support batch mode scanning. 	<ul style="list-style-type: none"> Metrologic Instruments, Inc. designs, manufactures and markets barcode scanning and high-speed automated data capture solutions using laser, holographic and vision-based technologies. Arch Crown specializes in barcode products, including printers, scanners, and barcode tags. First Insight only supports USB connections for the Metrologic Voyager MS9540 and MS9520. The following connections are not supported: PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, IBM 468X/469X, and Stand Alone Keyboard.
Scanners	<ul style="list-style-type: none"> TWAIN compatible scanners (see additional information to right) The following scanners are compatible with maximEyes: <ul style="list-style-type: none"> Visioneer 9450 USB scanner, www.visioneer.com HP Scanjet 5590, www.hp.com Network attached scanners. Contact First Insight before you purchase a network scanner. 	<ul style="list-style-type: none"> You must have a TWAIN compatible scanner to scan and link documents to a maximEyes patient/exam record. First Insight recommends that you purchase a flatbed scanner and a separate medical insurance card scanner (see Medical Insurance Card Scanners below) to link documents to a maximEyes patient/exam record. MaximEyes does NOT support Automatic Document Feeders. First Insight highly recommends that you check out the manufacturer websites as you evaluate hardware and make your final decisions. You must always be able to get the most up-to-date information on hardware limitations or new offerings. Contact First Insight if you have additional questions. Important: Do NOT install more than one scanner per workstation. Renaming Your Server: If you replace your server and want to view any images that are attached to a maximEyes Patient Record and Exam Manager, you must rename the new server with the exact name of the one you replaced.
Medical Insurance Card Scanners	<ul style="list-style-type: none"> Ambir Techology, ScanShell 800N A6 Simplex Card Scanner. The MediScan package is still offered, which includes both the scanner and software to manage images outside of maximEyes (optional); www.ambir-medicscan.com or 866.520.9028, ext. 115 Innovative Card Scanning, Inc., Docketport 665 Scanner. The ScanSharp package is offered if you want to manage your images outside of maximEyes (optional); www.scansharp.com or 800.291.1471 	<ul style="list-style-type: none"> The medical insurance card scanner is easy to use and install. It is small and lightweight. The scanner does not need an external power plug because it acquires power from the USB cable that connects to the computer. It does not require any warm up time. You do not need to purchase additional medical insurance scanning software from the manufacturer to use the maximEyes scanning integration.
Microsoft® (MS) Word Link	The maximEyes MS Word Link requires Microsoft® Word 2000, 2002, 2003 or 2007.	Important: Microsoft® Word must be installed on the workstation where you will use the maximEyes MS Word Link.
Firewall	Consult with your certified hardware technician to determine which firewall is best for your practice.	<p>A firewall is a set of related programs located at a network gateway server, which protects the resources of a private network from users of other networks. This also includes the security policy that is used with the programs. A company with an Intranet, that allows its employees to access the Internet, should install a firewall to prevent outsiders from accessing the company's private data resources. A firewall will also control what outside resources a company's own users have access to.</p> <p>Important networking configuration: Special networking configurations may be needed on your system if you will be using the Eyefinity-VSP Link, VSP Calculator and/or EDI-Clearinghouse (Eyefinity) modules.</p>
Anti-Virus Software	<ul style="list-style-type: none"> Symantec AntiVirus™, www.symantec.com McAfee Virus Scan, www.mcafee.com 	AntiVirus programs are easy-to-use programs that scan and clean incoming and outgoing email, and stops viruses from infecting computers or spreading to others. AntiVirus software removes viruses automatically, without interrupting your work. It also can detect viruses in instant-message attachments.

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Other Requirements and Recommendations		
Hardware/ Misc. Item	Strongly Recommend	Additional Information
Equipment Link	<p>Marco www.marco.com</p> <ul style="list-style-type: none"> • Phoropter, Models RT-900, RT-1200, RT/TRS-2100 and RT/TRS-5100 (see <i>Additional Information section</i>). • Autorefractor/Keratometer, Models ARK-700A, ARK-760, ARK-9000, ARK-10000, and LM-990A • EPIC-2100 or 5100 Refraction System • LM-1000 Lensmeter (see <i>Additional Information</i>) <p>Topcon Medical Systems www.topconmedical.com</p> <ul style="list-style-type: none"> • Computerized Lensmeter, Models CL-100 and CL-200 • Autorefractor, Models KR-7000, KR-8000 and KR-8800 • Computerized Vision Tester (Phoropter), Models CV-2500 and CV-3000 <p>Carl Zeiss Meditec, Inc. www.meditec.zeiss.com</p> <ul style="list-style-type: none"> • Autorefractor/Keratometer, Model HARK-599 (see <i>Additional Information section for more information</i>) • Humphrey Lens Analyzer, Models LA-350 and LA-360 <p>Veatch Ophthalmic Instruments www.veatchinstruments.com</p> <ul style="list-style-type: none"> • Digital Refractor and Control Pad, Model CDR 3100-P • Huvitz CLM-3100 Auto Lensmeter <p>Optos Optomap Retinal Exam www.optos.com</p>	<p>If you purchased the maximEyes Equipment Link module, you will be able to automatically download readings into the exam form.</p> <p>Cable Connections</p> <ul style="list-style-type: none"> • Make sure that you have a cable that connects the data port of the equipment to the COM port of the workstation (this is where the equipment data will be exported from). • First Insight strongly recommends that you purchase the cable from the equipment manufacturer. • The COM port should be available to the equipment link module. It cannot be in use by any third-party application. <p>Open Serial Port</p> <ul style="list-style-type: none"> • If you purchased the maximEyes Equipment Link module, make sure that your workstation includes an “open serial port” to accommodate each ophthalmic equipment connection (one port per piece of equipment). • Equipment must connect to a physical serial port. For example, serial to USB adapters will not work. • First Insight is not responsible for changing settings on ophthalmic equipment. Contact your equipment vendor for detailed instructions. <p>Older Humphrey Lens Analyzers</p> <ul style="list-style-type: none"> • First Insight hasn’t tested the older Humphrey Lens Analyzers, Models LA-306, LA-330 and LA-340. • However, according to the Humphrey specifications, maximEyes should be compatible with these analyzers. <p>Color Mapping Software</p> <ul style="list-style-type: none"> • If you use the maximEyes Equipment Integration module and Topcon’s color mapping software to read data from Topcon’s equipment, you may have to purchase additional equipment from Topcon before you can import the data from the Topcon equipment into maximEyes. • Please speak with a Topcon representative or a maximEyes equipment integration technical support representative for more details. <p>Carl Zeiss Meditec Auto Refractor/Auto Keratometer, HARK-599</p> <ul style="list-style-type: none"> • This model will only work with maximEyes if the equipment’s software version B8 is installed. • If you do not know what equipment software version you have, please contact the equipment manufacturer (Carl Zeiss Meditec). <p>Marco RT-5100</p> <p>The maximEyes equipment integration with model RT-5100 will only import text data and will NOT capture images.</p> <p>Marco LM-1000 Lensmeter</p> <p>This equipment will interface without a Marco digital refraction system. However, you will need to install Marco’s capture software. Please contact a Marco representative if you have questions or issues with the capture software.</p>

Other Requirements and Recommendations		
Hardware/ Misc. Item	Strongly Recommend	Additional Information
Automated Recall Systems	<ul style="list-style-type: none"> • TeleVox Software, Inc., www.televox.com or 251.633.9252 • Personal Communication Systems, Inc., www.phonetree.com or 800.951.8733 • Inphonite, LLC, www.inphonite.com or 800.350.7693 • SpectraSoft, www.spectrasoft.com or 800.889.0450 	<p>MaximEyes integrates with the following automated recall systems software:</p> <ul style="list-style-type: none"> • TeleVox: Developers of HouseCalls, a message delivery system that automatically delivers appointment reminders, no-shows, recalls, or any other type of informative message to patients. • Personal Communication Systems, Inc.: Manufacturers of high quality telephone messaging products. PhoneTree products provide an easy way for any organization to keep in touch with its members. Prevalent in the medical markets, PhoneTree systems are in use in more than 18,000 locations worldwide. • Inphonite: Developer of ReminderPro, a professional calling system designed to cut appointment no-shows and delivers an unlimited range of messages day or evening. Inphonite products enhance efficiency and expand productivity with easy-to-use technology. • SpectraSoft: AppointmentsPRO is an appointment management tool that simplifies every aspect of scheduling. Used in more than 3000 facilities. AppointmentsPRO saves time, improves client satisfaction, reduces cancellations and no-shows, eliminates scheduling errors, and boosts bottom line.