eRAD PACS v7.0 Workstation Requirements

Component		Minimum	Recommended	Diagnostic Workstation	Speech Recognition Plug-in
CPU		750MHz Intel processor or equivalent	2.0GHz Intel processor or equivalent	2.4GHz or better Intel processor	2.4GHz Intel processor or equivalent
RAM		512MBs, or 2-times the size of the largest data set.	2GB, or 2-times the size of the largest data set.	3GBs, or 2-times the size of the largest data set.	An additional 512MBs required, 1GB recommended
Disk space		6GBs	36GBs	72GBs	An additional 2.5 GBs.
Video Card	Memory	16MB	128MB	512MB	
	GPU		Non-integrated	Non-integrated	
	Drivers			Direct 3D 10 or later, PixelShader 2.0 or later	
NIC card		10Mbps	10/100/1000 Mbps	100/1000 Mbps	
Windows		2000/XP/Vista 32-bit.	XP/Vista/7. 32- and 64-bit Windows supported	XP SP2 or 7. 32- and 64-bit Windows supported	2000 SP4, XP SP2, Vista SP1 or Windows 7. 32- and 64-bit Windows supports.
Browser		Windows IE6 or later. Mozilla Firefox 1.5 or later	Windows IE8 or Mozilla Firefox 3.5	Windows IE8 or Mozilla Firefox 3.5	
Input devices		3-button mouse with scroll wheel, Microphone	3-button mouse with scroll wheel, Microphone	3-button mouse with scroll wheel, Microphone	Nuance-approved noise-canceling microphone
Other			Java VM v1.6 or later (for eRAD RIS)	Java VM v1.6 or later (for eRAD RIS)	16-bit, 11KHz sound card

Additional comments

Windows 7 notes:

- The following changes to Windows 7 defaults are required or recommended:
  - Set the Windows User Access Control (UAC) default setting to its lowest setting, *Never Notify*.
  - If Direct 3D is enabled in the eRAD PACS viewer, Windows Aero function should be disabled.
  - Add the eRAD PACS viewer (pbuilder.exe) to the Windows Defender excluded file types.
- The following changes to Internet Explorer 8 defaults are recommended for performance optimization:
  - Disabled the pop-up blocker,
  - Disable web site phishing filter.
  - Disable SmartScreen filtering.
- Some restrictions apply to Philips SpeechMike devices. See notes on microphone devices below. Philips SpeechMike and foot pedal devices require the drivers from the Philips SpeechExec v5.0 SR4 CD.
- Speech recognition requires Dragon Naturally Speaking v10.1 or later.
- If using multiple display controllers, each one must be WDDM 1.1 compliant and have their WDDM 1.1 driver installed.

All plug-in modules:
- Unless indicated otherwise, the minimum requirement for a plug-in module is the *recommended* hardware configuration.

Image fusion plug-in module:
- Requires the diagnostic workstation as a minimum.

eRAD RIS:
- Requires Java VM v1.6 or later.

Mammography:
- Rendering full-field digital mammography images for diagnostic interpretation requires FDA cleared monitors. eRAD offers compliant models. Others exist. Check with your preferred monitor manufacturer for a list of complying models.

Microphones and foot pedals:
- Any Windows-compliant microphone can be used for recording dictation. Any Windows-compliant foot pedal can play back a recording.
- Philips Speechmikes are required when using the integrated microphone controls and for speech recognition. Windows 2000/XP/Vista support the following SpeechMike models: LFH-3000, LFH-5262, LFH-5272, LFH-5274, LFH-5276, LFH-6174, and LFH-6274. Windows 7 supports USB versions (only) of the following models: LFH-5262, LFH-5272, LFH-5274, LFH-5276.
- Philips Foot Control LFH2330/00 has been validated for the report editor panel.

Dragon v10:
- During install, the software checks that your system meets the minimum requirements. If it does not, software will not be installed. Minimum requirements will run the software, but performance may be affected.

Anti-virus software
- The eRAD PACS and Practice Builder 1-2-3 viewers will not function when the following anti-virus packages are installed: Kapersky Anti-virus.

RAM amount notes:
- A series consisting of fewer than 750 512x512 images or 3000 256x256 image requires 1GB of RAM to render. 2GBs of RAM renders series consisting of twice as many images of the same size.