

GE Healthcare

Centricity® PACS Web Diagnostic Data Sheet

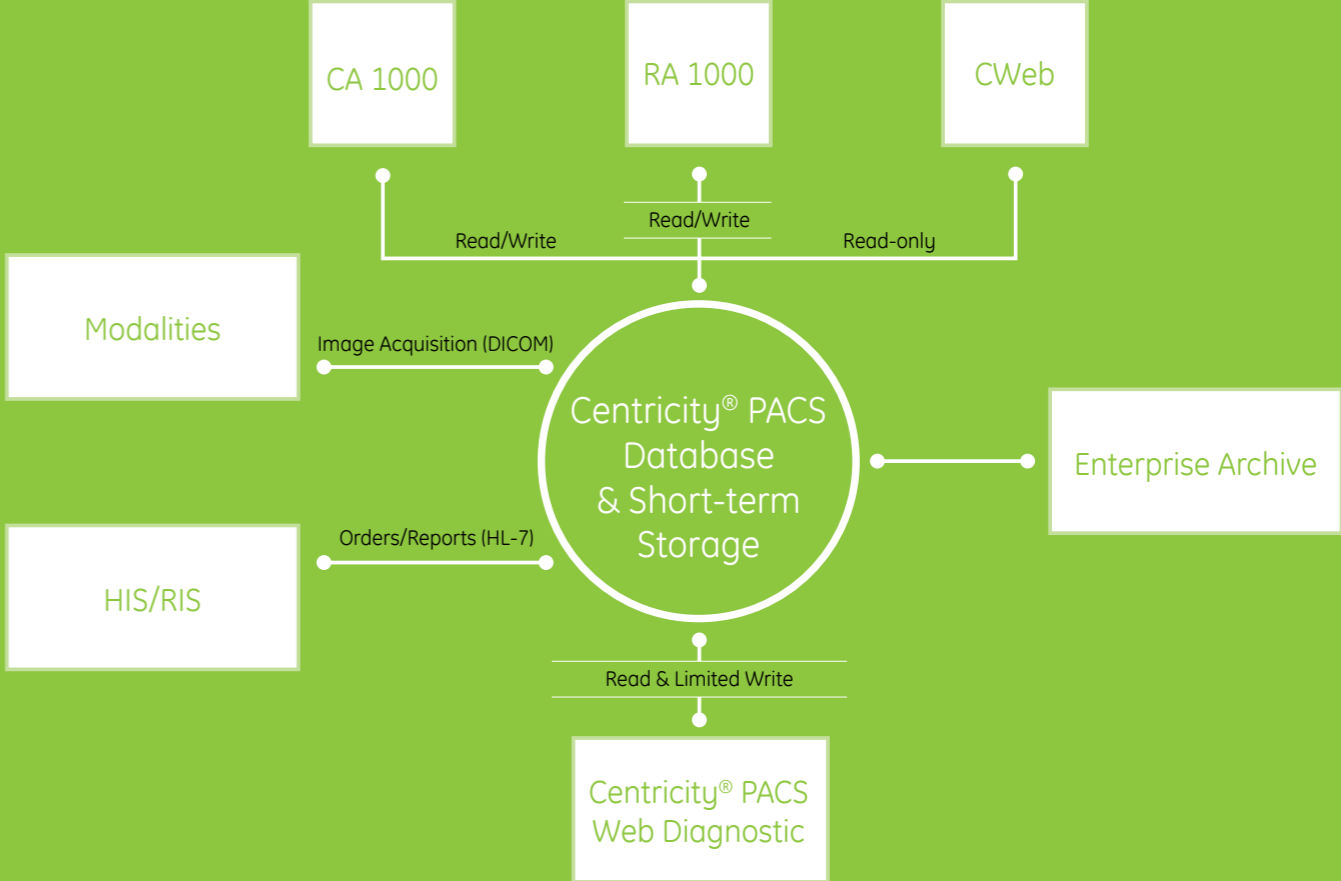
Take flight. With the new **Centricity® PACS Web Diagnostic**, you now have the freedom you need to collaborate and view information, anywhere, anytime. All it takes is an Internet connection to the Centricity® PACS database. The future of remote diagnostic reporting begins here. Centricity® PACS Web Diagnostic. **Healthcare IT Re-imagined.**



Centricity® PACS Web Diagnostic 1.0

Clinical Excellence, Flexibility, and Improved Services

Centricity® PACS Web Diagnostic integrates best of breed healthcare IT components into one solution to provide a comprehensive diagnostic imaging medical experience. Advanced technology combines an industry leading web-based viewer with advanced streaming algorithms, all designed around the globally proven Centricity® PACS infrastructure. This enables users to provide a higher standard of care while practicing from virtually anywhere their needs may take them. With increased focus on providing better services for the referring clinicians and community, Centricity® PACS Web Diagnostic offers ease of use and implementation that builds on the organization's investment in Centricity® PACS.



Clinical Excellence

Centricity® PACS Web Diagnostic brings the integrated workflow of the Centricity® PACS back end to an advanced web-based diagnostic viewer.

A number of standard and advanced viewer features are available:

Standard Tools

- Automatic, adaptive display sizing
- Complete image manipulation (W/L, Zoom/Pan, Flip/Rotate, Cine, Image Filters, etc.)
- True-resolution magnifying glass
- Anatomical 3D cross-reference
- Slab scrolling
- Global stack
- True size viewing
- Annotations and measurements
- Prior exam comparisons with image synchronizations



Specialty Tools

- MIP/MPR
- OB measurements
- Spine labels
- PET/CT fusion
- Optional 3rd party integrations (Voxar, Terrarecon and TraumaCad)

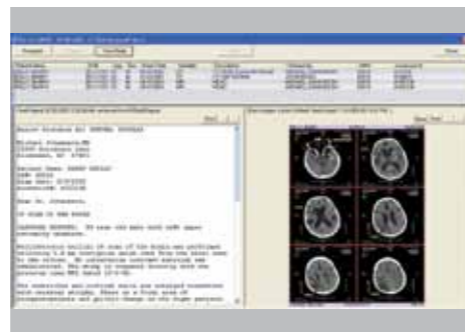


Workflow Enhancement Tools

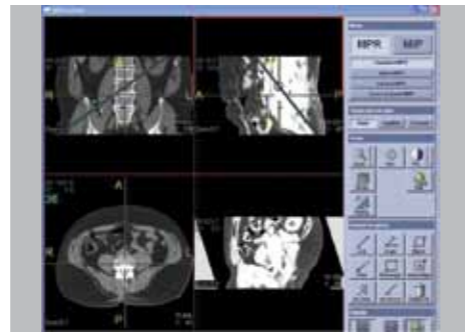
- Flexible, Individual, User-Defined on the Fly Worklists
- Drag and Drop Hanging Protocols
- Key Image Viewer
- Image Navigation
- Dictation Integration
- Local CD Burning



Customizable
worklist



Simplified referring
physician review



Embedded MIP/MPR



Orthopedic
applications

Investment Protection

Centricity® PACS Web Diagnostic is a cacheless solution integrated into the Centricity® PACS infrastructure to help provide users with security in their investment and data:

Workflow Integration –

Data is centrally managed in one location. This means there is one place to manage clinical data, user access and static data tables. Centricity® PACS Web Diagnostic 1.0 provides limited write-back capabilities to the database, including study status changes, along with exam locking capabilities to prevent double reading of exams.

Scalability –

Centricity® PACS is designed to grow with your business. It has been deployed at more than 1,000 sites globally for customers ranging from small imaging centers to national health organizations. The infrastructure has the proven capability to handle millions of exams every year.

Data Security –

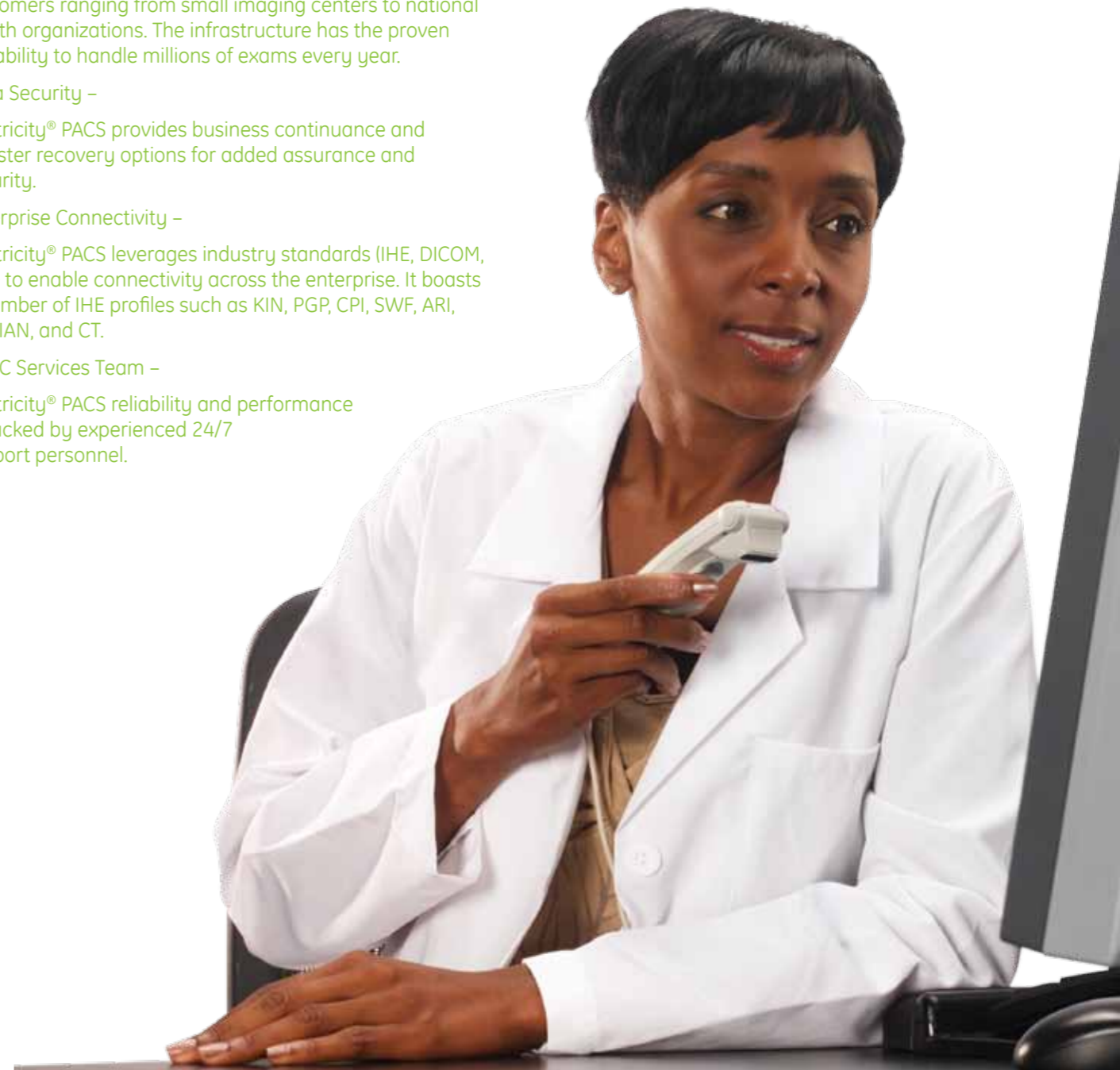
Centricity® PACS provides business continuance and disaster recovery options for added assurance and security.

Enterprise Connectivity –

Centricity® PACS leverages industry standards (IHE, DICOM, HL7) to enable connectivity across the enterprise. It boasts a number of IHE profiles such as KIN, PGP, CPI, SWF, ARI, PIR, IAN, and CT.

GEHC Services Team –

Centricity® PACS reliability and performance is backed by experienced 24/7 support personnel.



Flexibility

Centricity® PACS Web Diagnostic not only provides clinical excellence, but also enables users to practice wherever and whenever they need to.

Web-Based Viewer –

Centricity® PACS Web Diagnostic is a web based viewer that can be accessed anytime, anywhere with a browser and an Internet connection to the Centricity® PACS database.

Advanced Streaming Technology –

Over the years, Radiological exams have grown exponentially in terms of data size, and Centricity® PACS Web Diagnostic has the technology to grow with it. Unique to Centricity® PACS Web Diagnostic, GE's patented technology maximizes the transmission of both large and small datasets across a variety of network bandwidths. This maximizes user productivity and minimizes any issues with manipulating large datasets across smaller network bandwidths.

Improved Services

Beyond clinical tools and flexibility, Centricity® PACS Web Diagnostic is easy to use and implement, resulting in increased satisfaction across the board.

Productivity –

Speed, access to clinical tools and viewer simplicity enable radiologists and specialists to be more efficient.

Referring Physician Satisfaction –

Ease of use, quick image loading and a rich clinical toolset provide increased customer satisfaction to help your institution increase the number of referrals.

Low Maintenance –

The latest software loads directly to the PC from the server.

Centricity® PACS Infrastructure –

Whether you are a new customer or have been with the product for years, you know your investment in the solid Centricity® PACS infrastructure is an investment in the future.

System Specifications

Centricity® PACS 3.0

The infrastructure is required to be at least Centricity® PACS 3.0. Version 3.0.5 is required to enable the exam locking feature.

| Specifications | | |
|---|--------------------------------|---|
| Centricity® PACS Web Diagnostic Server Minimum* | Diagnostic Workstation Minimum | Client |
| Dual Quad-Core Processors | Dual CPU (each Dual Core) | Windows XP Service Pack 2 or Windows Vista Operating System |
| 4 GB RAM | 4 GB RAM | |
| 2x146 GB Disk Drives, Mirrored | 146 GB Drive | Internet Explorer 6 or 7 |
| Windows 2003 Server R2 | 1 GB NICs | |

*Turnkey systems are shipped with HP DL360

| Monitor Configurations |
|--|
| Centricity® PACS Web Diagnostic supports a variety of monitor configurations up to a total of six monitors. |
| 1 Color Landscape |
| 2 Color Landscape |
| 3 Color Landscape (same res.) |
| 3 Color Landscape (1 low res + 2 high res) |
| 1 Color Landscape + 2 Color Portrait |
| 1 Color Landscape + 2 Grayscale Portrait |
| 1 Color Landscape + 2 Color Portrait + 2 Grayscale Portrait |
| 1 Color Landscape + 4 Grayscale Portrait |
| 2 Color Landscape + 2 Grayscale Portrait |
| 4 Color Landscape (2 low res + 2 high res) |
| 4 Color Portrait |
| 2 Color Landscape + 2 Color Portrait |
| 2 Color Landscape + 4 Grayscale Portrait |
| 1 Color Landscape + 3 Color Portrait |
| 1 Color Landscape + 3 Grayscale Portrait |

| Available Integrations |
|------------------------|
| TraumaCad |
| Voxar |
| TeraRecon |
| peerVue |

Dictation Systems:

Centricity PACS Web Diagnostic can be integrated to most dictation systems that can accept communication on a TCP/IP port, such as: PowerScribe, Provox, Winscribe, and MedQ

DICOM Image Viewing Support

| Key | |
|---------|--|
| Yes | - Image can be displayed meaningfully |
| No | - Image can not be displayed |
| Limited | - Image can be displayed; however viewer does not have the tools to display meaningfully |

| SOP Class Name | SOP Class UID | Centricity® PACS 3.0 RA1000 | Centricity® PACS Web Diagnostic | Centricity® Web 3.0 |
|--|--------------------------------|-----------------------------|---------------------------------|---------------------|
| CR Image Storage | 1.2.840.10008.5.1.4.1.1.1 | Yes | Yes | Yes |
| Digital X-Ray Image (Presentation) | 1.2.840.10008.5.1.4.1.1.1.1 | Yes | Yes | Yes |
| Digital Mammography Image (Presentation) | 1.2.840.10008.5.1.4.1.1.1.2 | Yes | Yes | Yes |
| Digital Intra-oral Image (Presentation) | 1.2.840.10008.5.1.4.1.1.1.3 | Yes | Yes | Yes |
| CT Image Storage | 1.2.840.10008.5.1.4.1.1.2 | Yes | Yes | Yes |
| US Multi-frame Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.3 | Yes | Yes | Yes |
| US Multi-frame Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Yes | Yes | Yes |
| MR Image Storage | 1.2.840.10008.5.1.4.1.1.4 | Yes | Yes | Yes |
| US Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.6 | Yes | Yes | Yes |
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Yes | Yes | Yes |
| Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7 | Yes | Yes | Yes |
| Multi-Frame Grayscale Byte Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.2 | Yes | Limited | No |
| Multi-Frame True Color Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.4 | Yes | Limited | No |
| Grayscale Softcopy Presentation State Storage | 1.2.840.10008.5.1.4.1.1.11.1 | Yes | Yes | Yes |
| X-Ray Angiographic Image Storage | 1.2.840.10008.5.1.4.1.1.12.1 | Yes | Yes | Yes |
| X-Ray Radiofluoroscopic Image Storage | 1.2.840.10008.5.1.4.1.1.12.2 | Yes | Yes | No |
| X-Ray Angiographic Bi-Plane Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.12.3 | Yes | Yes | No |
| Nuclear Medicine Image Storage | 1.2.840.10008.5.1.4.1.1.20 | Yes | Yes | Yes |
| VL Endoscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.1 | No | Yes | No |
| VL Microscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.2 | No | Yes | No |
| VL Slide-Coordinates Microscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.3 | No | Yes | No |
| VL Photographic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.4 | No | Yes | No |
| Basic Text SR | 1.2.840.10008.5.1.4.1.1.88.11 | No | No | Yes |
| Mammography CAD SR Storage | 1.2.840.10008.5.1.4.1.1.88.50 | No | Yes | No |
| Key Object Selection Document | 1.2.840.10008.5.1.4.1.1.88.59 | Yes | No | Yes |
| Positron Emission Tomography Image Storage | 1.2.840.10008.5.1.4.1.1.128 | Yes | Yes | Yes |
| RT Image Storage | 1.2.840.10008.5.1.4.1.1.481.1 | No | Limited | Yes |

The table is meant to provide a quick reference guide, please consult DICOM Conformance Statement for a more detailed representation.

More Information

Contact your GE Healthcare representative for more information about Centricity® PACS Web Diagnostic and Centricity® PACS 3.0

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