Centricity® PACS and PACS-IW with Universal Viewer

Universal Viewer. Where it all comes together.
Where it all comes together

Centricity PACS and Centricity PACS-IW with Universal Viewer introduces an intuitive imaging application that connects advanced visualization, provides extensive breast imaging tools, image-enables EMR systems, and unlocks patient history from silos to better inform and streamline diagnosis. All delivered in an easy-to-use, unified reading desktop. Designed to work with GE Healthcare’s Centricity PACS and PACS-IW, and Centricity Clinical Archive, Universal Viewer is where imaging all comes together.

For healthcare systems and care teams who use Centricity PACS or Centricity PACS-IW, Universal Viewer puts clinical insight within reach to better inform and streamline diagnosis, helping to improve result turnaround time.
Advanced tools from a single workstation

To balance shrinking budgets with increased demand for services, particularly the growth of cancer, cardiovascular disease, and trauma cases, each radiologist has to read exams efficiently, handle interruptions smoothly, and work with more data to inform diagnosis. This means boosting report turnaround, achieving higher patient throughput, and delivering quality results.

Working with many different systems requires the radiologist to swivel between complicated workstations and perform manual searches in electronic medical records, or even paper files, wasting critical time. Centricity PACS and PACS-IW with Universal Viewer helps solve these challenges by providing access to advanced processing tools from a single workstation, helping to reduce the need to use multiple systems.

Registration provides easy comparison of CT, MR, PET, SPECT, and interventional 3-D images. It streamlines registration and fusion between volumetric acquisitions from either the same or different modalities, using dedicated protocols or by doing a simple “drag-and-drop” within the core 3-D Viewer platform.

Preprocessing provides you with rapid access to your exams ready to read. Complex processing tasks are performed in advance, so you don’t lose time waiting for your images to be processed in front of the PACS console.
Advanced visualization anywhere

Universal Viewer includes native advanced visualization capabilities plus 3-D post-processing tools powered by Advantage Workstation. It provides a single source for MIP/MPR, PET-CT, vessel analysis and auto-bone removal, fusion and registration across modalities, and oncology work flow. With this innovative source of image review within GE’s Centricity PACS environment, Universal Viewer delivers the next generation of seamless work flow first introduced with Dexus, including:

• **3-D volume processing** provides you with the tools you need to streamline your work flow. This application offers 3-D processing of any CT, MR, 3-D X-ray, PET, and PET/CT dataset. It provides a wide range of analysis tools that help you perform detailed diagnoses and make your reporting process efficient.

• **Vascular processing** provides you with easily accessible, user-friendly tools to analyze 3-D angiographic data. It comes with proven zero-click bone segmentation for head, neck, and other anatomy. And leverages a one or two-click efficient vessel tracking tool with stenosis measurement and plaque analysis capabilities for any vasculature, including the coronary arteries.

• **Extensive breast imaging tools** – Universal Viewer provides access to an advanced breast imaging workspace that supports screening and diagnostic work flows across breast imaging modalities, including mammography, breast MRI, and ultrasound. Universal Viewer supports the newest IHE profiles for mammography images, reducing the need to read images on separate workstations. Seamless support for reading tomosynthesis and CESM images is also available.
Intelligent productivity tools

In today’s healthcare environment, radiology departments are under significant pressure to control costs and improve productivity. Centricity PACS and PACS-IW with Universal Viewer helps to increase efficiency by simplifying information access with a single image repository across 2D and 3D studies, and enabling holistic oncology and specialty workflows with easy access to priors.

Although some radiologists will prefer their current hanging protocols, Universal Viewer places the visionary radiologist at the forefront of technology with Smart Reading Protocols. As they adopt this new approach, the system learns from a broad range of situations over time, allowing users to achieve greater efficiency.

Streamlining oncology workflows

Oncology work flow streamlines oncology reading so you can spend less time retrieving studies and preparing exams, and have more time to spend reading and reviewing studies. As a true cross-modality oncology reading platform, the oncology quantification package helps you correlate and compare CT, MR, PET/CT, and 3-D X-ray data. It automates workflow to facilitate comparisons over time and make follow-up exams efficient. It simplifies the assessment of findings on the basis of morphologic criteria and simplifies how they are characterized and measured using an easy follow-up wizard.
Anywhere, anytime, enterprise-wide access*

Meeting the growing demand of healthcare systems to deliver more and better quality with less requires greater integration of services and collaboration across departments, hospitals and communities. An integral component to solving this challenge is providing access to the right patient data at the right time, regardless of location.

Universal Viewer’s Web client provides radiologists, referring physicians, and other clinicians access to the system from any location. The study list serves as the hub of the work flows and is accessible by using just the browser, providing fast access to vital study and patient information stored in a PACS, RIS, EMR, and HIS. Referring physicians can have access to the same 3-D post-processing capabilities as the radiologist and can consult large datasets from their practice desk. Organizations can use security and preference settings to configure what clinicians can access.

The viewer has the same look and feel in either Web client or zero footprint configurations. With zero footprint, the Universal Viewer enables enterprise-wide image access without installing any software. It can be used on both Mac and PC, and accessed directly from each patient’s record using single sign-on. The zero footprint viewer is not for diagnosis.

*Anywhere there is an Internet connection available.
GE Healthcare
service and support

As an integral part of the product delivery, service and support will be provided for the Universal Viewer, including:

- **Implementation services** – Professional services to help train end users and IT departmental staff on new features and functions of the applications.
- **Integration services** – Professional services to implement connectivity with third-party systems such as RIS, EMR, reporting systems, and multiple other systems.
- **Data migration services** – A one-time service to migrate existing historical data from an existing, non-Centricity PACS solution to a Centricity PACS solution, streamlining the adoption of archives.
- **Project management** – Professional services to manage the overall implementation project to ensure on-time delivery and help reach quality goals.
- **Post-implementation support** – An option for maintenance and support, for example: upgrades, phone support, field resources, remote monitoring, and training.

Is it time for a change?

Globally, over 3,000 organizations trust Centricity imaging solutions because GE Healthcare delivers quality service, high performance, and technology innovation that allow providers to lower cost of ownership today and prepare for the challenges of the future. Whether or not you are a current GE PACS user, adopting our Universal Viewer solution couldn’t be easier. And, because we have been continuously improving our PACS technology over the past 10 years, you can be confident that it will be easy to use, reliable and efficient.

To find out more about Centricity PACS and PACS-IW with Universal Viewer and how we can help you, please visit the GE Healthcare Website or contact your local GE sales representative.
About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries.

For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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