





# Centricity Universal Viewer Zero Footprint

**one viewer**  
for the patient care team

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**one platform**  
for all modalities

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**one solution**  
for the enterprise

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**one investment**  
for the future

GE Healthcare's Centricity™ Universal Viewer Zero Footprint (ZFP) connects advanced diagnostic tools and system-wide image management platforms across the care continuum to help healthcare organizations improve diagnostic speed and confidence.

Imaging is a gateway to care for most patients as well as a diagnostic touchpoint for downstream clinicians. Therefore immediate and easy access to medical images are especially integral to swift patient care decision-making.

To accomplish this, clinicians need immediate access to the right-information for the right-patient at the right-time. With Centricity Universal Viewer ZFP, all members of a patient's care team can quickly access

patients' imaging data from almost any browser or mobile device to review, reformat, make measurements and add notes on imaging studies when necessary.

It provides access to images and reports from anywhere, whether it's on the hospital floor, in surgery, in clinic or at home, to allow clinicians to access and develop clinical insights that deliver patient results and drive operational efficiencies.

# Experience the Power of One



**Increased diagnostic confidence**  
by up to 10%<sup>2</sup>



**32% Reduction**  
of duplicated tests with anytime access to data<sup>3</sup>



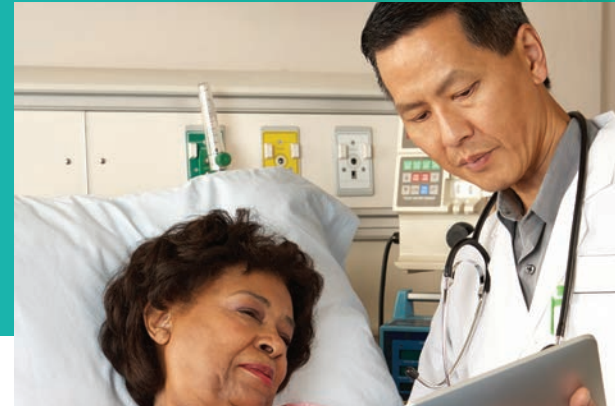
**Save up to 19%**  
of radiologist's time<sup>4</sup>

Fast, secure access to Vital Study and Patient Information across multiple platforms, anywhere there is an internet connection

- Cleared for diagnostic use<sup>1</sup> to help physicians collaborate on patient studies and treatment plans
- Browser-agnostic and supports multiple devices including Microsoft® Windows®-based PCs, Apple® Mac®, Apple iPad® and Samsung Galaxy™ devices\*\*
- Supports up to 19 different languages
- Secure access to patient images with Electronic Medical Record (EMR), HIS and RIS, as well as standalone capabilities with no patient data left behind on devices
- Supports low-bandwidth environments by displaying lossy compressed images and automatically disabling the lossless progression of images based on network bandwidth
- Share studies with other Centricity Universal Viewer ZFP users via email or GE Health Cloud
- “Break Glass” feature supports the ability to temporarily override access restrictions during an emergency situation
- Reduced dependency on IT staff, as no software download or administrative access rights are required



# One viewer for the patient care team



**Helps clinicians  
connect in less than  
5 minutes<sup>5</sup>**

**“Having everyone accessing the same data in the same system is helping us create closer collaboration between clinicians and departments”**

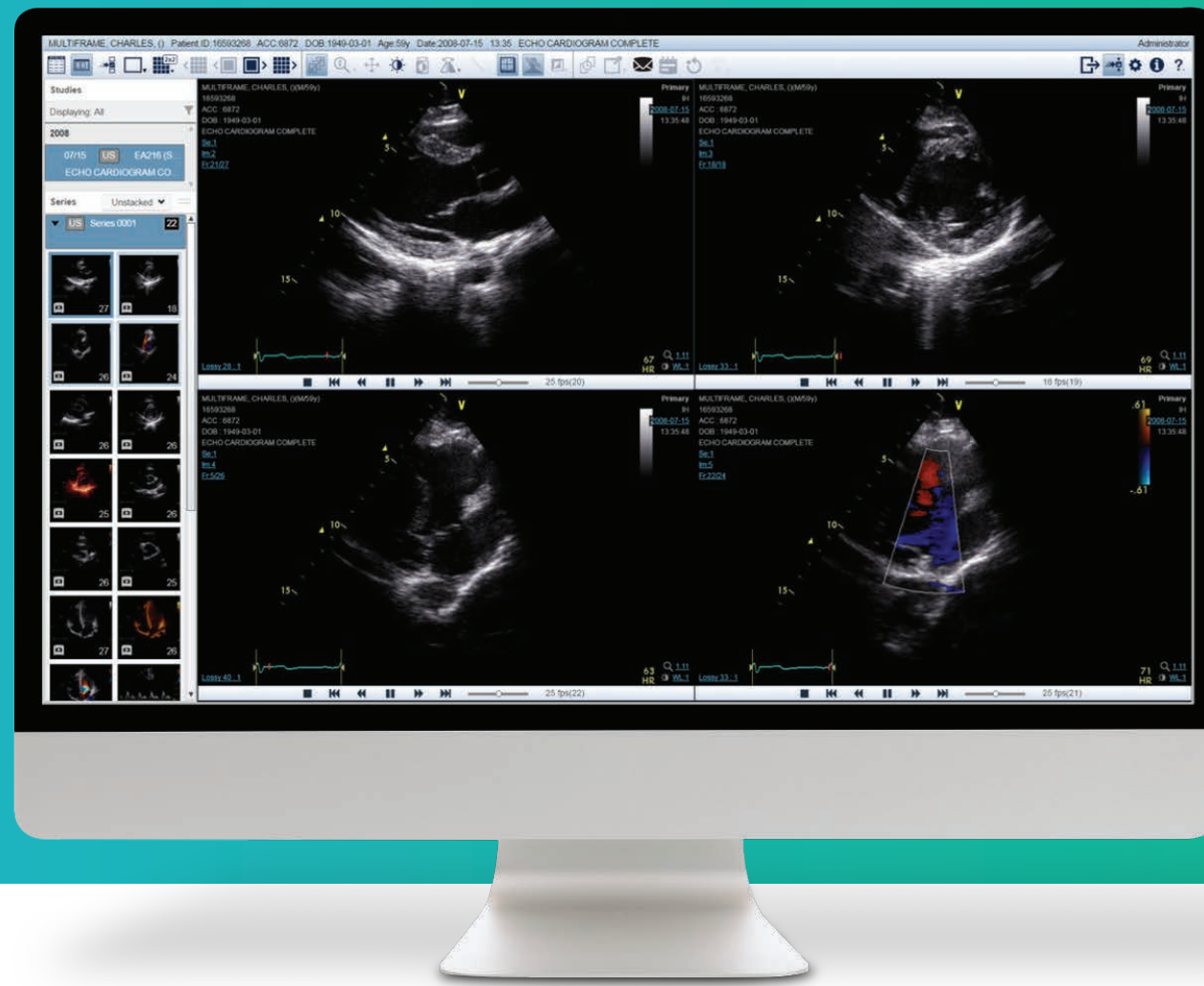
– Prof. Dr. Martin Breitensteher, Landeskrankenhaus Horn<sup>6</sup>

Centricity Universal Viewer Zero Footprint Viewer can be used to review images with a team, patient or family member. For example, surgeons can use Centricity Universal Viewer ZFP to review images and surgery plans then also reference images during intricate surgeries to locate key anatomy. Cardiologists, pediatricians and orthopedic surgeons can bring up images on portable devices at the bedside or in their office to share with patients and families as they discuss

care plans. Referring physicians can educate and comfort patients by explaining procedures and sharing knowledge. It all adds up to swifter decision making and more timely and efficient care for the patient.

Centricity Universal Viewer ZFP delivers a wide range of viewing capabilities to a multi-specialty audience with easy access to prior studies to allow clinicians to review and consult on images with other specialists.

Physicians can access the image series they need on a wide variety of devices with no pre-provisioning required, and can review, reformat, and make measurements and notes on imaging studies quickly when necessary. In fact, Centricity Universal Viewer ZFP supports viewing and manipulation of a range of data including 2D and 3D data sets, videos, audio files, reports and more.



**“This truly has changed the way we respond to patient care questions and collaborate with other physicians. The speed of image retrieval is great and having access to diagnostic images with measurements tools has enhanced our efficiency and our response time to patient care needs.”**

*– Michael Carney, D.O. Cardiologist, OSUMC<sup>7</sup>*



# One platform for all modalities



## Many modalities – One viewer

- CT, MR, Enhanced CT, Enhanced MR, US, PT, XA, RF, SC, CR, DX, MG, Breast Tomosynthesis, IO, SC, VL, NM, Endoscopic, Microscopic and Photographic Image
- 3-D viewing with MPR/MIP and Volumetric Rendering
- Viewing other clinical content in multiple formats, including but not limited to encapsulated PDF objects, audio, video and visible light

## Key Features

- Cleared for diagnostic use<sup>1</sup>
- Quick and easy access to images within the EHR from any location, online or archived
- Server-side rendering with progressive and adaptive streaming for real-time access<sup>†</sup> to current exams and near real-time access<sup>‡</sup> to archived exams
- Intuitive user interface including native gestures on most phone/tablet devices
- Fast navigation of large data sets, allowing users to skim, skip and scroll through a stack of images
- Provides a consolidated view of the patient's image data across multiple multi-department DICOM archives
- Timeline view of patient history, study/series selector and personalized worklist configuration
- Display historical images from third-party archives whether they support direct streaming or not
- Side-by-side comparison allows access to comparison exams
- Auto display of report, key image and annotations
- One-click Cardio Thoracic Ratio (CTR) Measurements
- Save and share any presentation state information such as measurements and annotations
- Supports mammo markers to recognize the image position correctly in mammography images
- Launch other GE Healthcare and third party applications
- Open architecture compliant with major standards for seamless interoperability (DICOM, HL7, IHE-XDS, IHE-XDs-i)



## Key Benefits

Radiologists can read images throughout the enterprise, including at imaging centers, hospitals and homes, with Internet access

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Increased efficiency for radiologists, referring physicians and patients

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Helps referring physicians with diagnosis and treatment planning

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Reduce burden of installing and maintaining software

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Improve relationships with referring physicians

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Faster, more informed decisions for quick patient care

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Enhanced patient confidence



# One solution for the Enterprise



**Physicians need access to the patient's history to help make more informed decisions about future courses of action.** Centricity Universal Viewer ZFP gives physicians access to information residing in different information systems within a hospital enterprise or within departmental systems even when they are siloed and not connected.

## **EHR and Cloud connectivity options**

Centricity Universal Viewer ZFP can be launched by other applications such as an EMR or patient portal. A send-to-cloud feature (hosted on Centricity 360 or GE Health Cloud) supports sending studies for case exchange or medical tumor board reviews. This feature also helps providers streamline clinical collaboration with unaffiliated clinicians to help reduce duplicate imaging, avoid unnecessary patient transfers, lower CD distribution costs and enhance referral relationships.

## **Cross Enterprise Display**

Cross Enterprise Display is available when Centricity Universal Viewer Zero Footprint Viewer is deployed with Centricity Clinical Archive solution as a multi-department DICOM archive (Level 2 deployment). This provides the benefit of a consolidated view of the patient image data across multi-department DICOM archives, enabling Centricity Universal Viewer ZFP to provide results and comparison studies for review even though the patient has data associated with different patient ID's.

## **DICOM viewing**

Radiologists can choose from one of the pre-defined layouts, use advanced 3D reformatting tools such as MIP/MPR and volume rendering, and can display and automatically play up to four cine loops simultaneously with zoom and pan capabilities.



# One investment for the future



**“The integration went really well. The GE support staff and engineers were with us all the way, helping us get through any challenges. The transition was pretty seamless, and where it wasn’t, GE was right there with us. We have come to depend on GE’s expert support and high-quality products.”**

*– Chad Moser, RT and PACS Administrator  
Huron Regional Medical Center <sup>8</sup>*

## Centricity Solutions for Enterprise Imaging

There are three main reasons why you should consider GE Healthcare as your Enterprise Imaging partner of choice:

- **Experience** – GE Healthcare is uniquely able to deliver large cross-enterprise solutions.
- **Breadth of solutions** – We offer the four elements necessary for enterprise imaging, spanning a robust modality business to advanced AW application to innovative enterprise imaging software to vendor-neutral archives.
- **Ability to deliver outcomes that matter** – Our focus each day is to develop and deliver software-enabled solutions that enhance your diagnostic speed and confidence in measurable and meaningful ways.

## One vendor for all your Enterprise Imaging needs

More than 3,000 organizations trust Centricity Solutions for Enterprise Imaging because GE Healthcare delivers high-quality service, reliability and technology innovation, helping providers reduce the cost of ownership today while preparing for the challenges of the future. Learn more about the role GE Healthcare plays in optimizing healthcare organizations’ investment in imaging IT to help streamline healthcare costs, increase diagnostic confidence and enhance the quality of patient care by contacting us at your regional sales office today.

## Scalable from small clinics to large regional deployments

Universal Viewer ZFP is scalable, allowing you to grow as your patient populations grow without the need to change software. This proven, scalable architecture allows you to connect multiple systems from different vendors across many different provider facilities to view patient images and data across a region or community. GE Healthcare’s integrated and reliable end-to-end solutions, powered by Intel® technology, put innovative software and cutting-edge performance at your fingertips, for a powerful, responsive, secure and highly efficient connected healthcare environment.





GE Healthcare is a leading provider of medical imaging, monitoring, biomanufacturing, and cell and gene therapy technologies. GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications and services. With over 100 years of experience and leadership in the healthcare industry and more than 50,000 employees globally, GE Healthcare helps healthcare providers, researchers and life sciences companies in their mission to improve outcomes for patients around the world” Follow us on Facebook, LinkedIn, Twitter and The Pulse for latest news, or visit our website [www.gehealthcare.com](http://www.gehealthcare.com) for more information.

## Imagination at work

1 Centricity Universal Viewer ZFP client has been validated and cleared for diagnostic use by the US FDA on Microsoft® Windows® and Apple® Mac® products. ZFP has also received CE Mark for diagnostic use. As regulatory clearance requirements differ by country and region, GE Healthcare must obtain clearance in countries where local specific regulatory approvals are required. Your sales representative can provide information on the status of availability in your area. ZFP can also be used on the Apple® iPad®, Samsung Galaxy Note® 10.1 and Galaxy Tab® 4 in a review only mode and is not meant for primary diagnosis on these devices. Please refer to the product datasheet for a list of operating systems and browsers supported on these devices.

2 Multidisciplinary Team Redesigns Care Processes and Systems, Leading to Significantly Improved Performance on Core Measures in Four Clinical Areas, Phyllis Justus, RN, MSN, NE-BC Director of Nursing, professional Practice; Carolinas Medical Center-University; Rose Brandau, RN, MSN Vice President/Chief Nurse Executive Carolinas Medical Center-University.

3 Am Med Inform Assoc. 2010 May-Jun; A preliminary look at duplicate testing associated with lack of electronic health record interoperability for transferred patients; Bridget A Stewart, Susan Fernandes, Elizabeth Rodriguez-Huertas, and Michael Landzberg.

4 Radiologists' Burden of Inefficiency Using Conventional Imaging Workstations, Dr. Bruce Hillman and Dr. Bhavik Pandya, Journal of the American College of Radiology. November 2013.

5 Timed internally. A new account registrations takes 4-5 minutes.

6 Transforming Case-Exchange Technology to Deliver Improved Outcomes in a Regional Health System, Waldviertel Case Study, JB49859XX

7 Oklahoma State University Medical Center (OSUMC) case study, DOC1426436

8 Regional Care with Zero Footprint Viewer, Huron Case Study, JB26299XX

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