

DATA SHEET

A diagnostic universal viewer and image exchange, on-premises, in the cloud or hybrid

Merge Universal Viewer

Support for multiple users in multiple locations— all at once

Merge Universal Viewer is a zero-footprint universal viewer that allows for real-time image sharing and exchange across the health enterprise, helping to complete the longitudinal patient record for care teams to have a more complete view of patients. Combining image exchange tools with the universal viewer and its robust API, the solution enables seamless workflows for all imaging needs. In addition, regardless of source or content, Merge Universal Viewer can deliver data as DICOM, or in its native format (jpeg, pdf, mp4, etc.) as XDS, all displayed in one screen “in a single pane of glass”.

It enables real-time collaboration so that multiple users, inside and outside of the enterprise, can view the same session. All users within each session maintain their own browser resolution, so a radiologist is not limited by other participants' low-resolution monitors.

Merge Universal Viewer is an FDA 510(k) cleared and CE marked diagnostic viewer.

Cloud enterprise imaging

Healthcare organizations are leveraging cloud to tackle many challenges involved with data interoperability across their enterprises. By deploying easily scalable, HIPAA-compliant interoperability APIs in the cloud, they are able to ingest vast quantities of healthcare data (including electronic health record data) at scale with zero physical infrastructure required to be situated on-site!

Merge Universal Viewer is one of the core components of Merge Imaging Suite, which is a flexible, modern enterprise imaging platform that supports hybrid cloud or full cloud deployments for imaging workflow applications. In scenarios where disparate PACS systems remain on-premises, Merge Universal Viewer can deploy Remote Data Managers that connect those systems to the cloud, providing seamless access to any of those images, from anywhere, without disruption to those current investments. This enables imaging organizations to benefit from the security, performance, and cost advantages of cloud – and to federate views of the data without having to consolidate the underlying data sources.

Patients and physicians benefit

Merge Universal Viewer capabilities support additional healthcare innovations and use cases for patients and physicians, such as 3D printing and compliance with regulations on patient access to their health information.

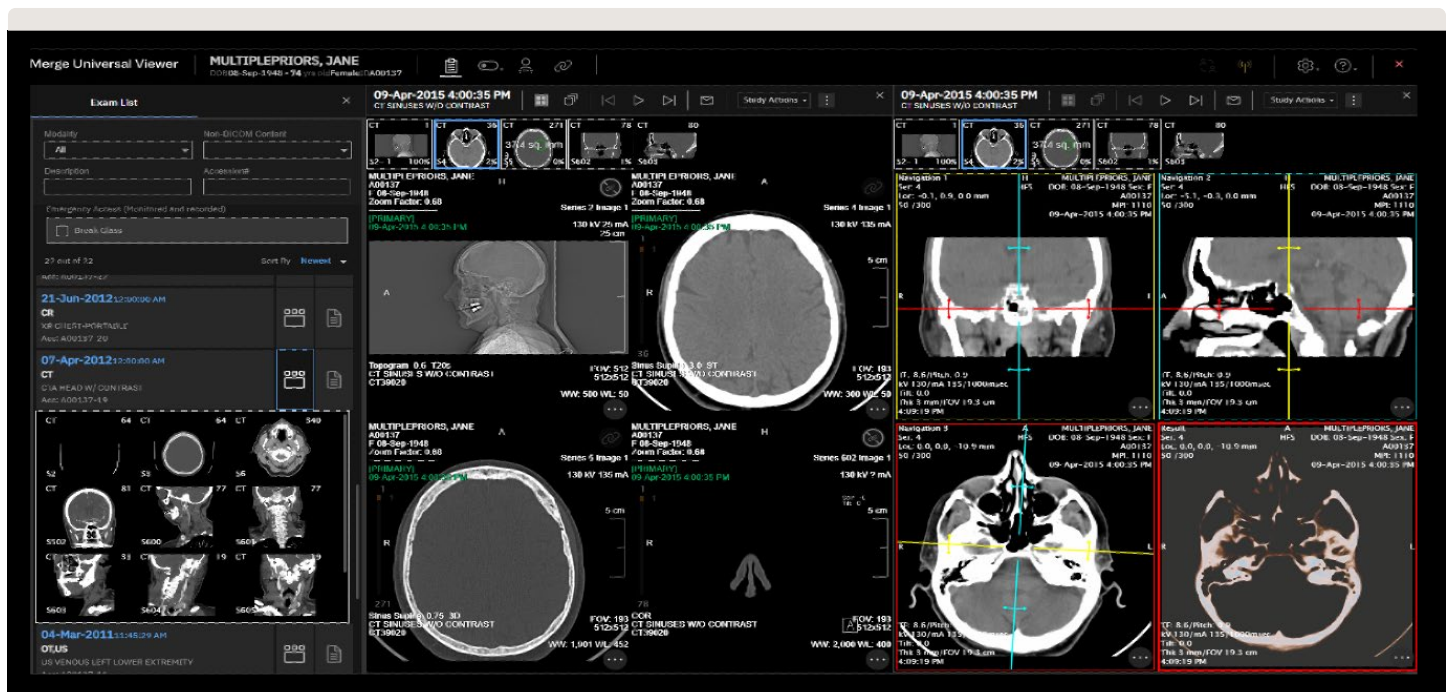
3D printed anatomic models

The 3D printed anatomic models, created from 2D digital medical images using the interactive segmentation tool in Merge Universal Viewer, support a variety of educational use cases in medicine. For patients, these include communication, education, and informed consent. Other use cases are for physician insights, anatomic simulation and cadaver-free physician training.

Merge Universal Viewer connects directly to a hospital's EMR, so that clinicians involved in disparate departments such as surgery or radiology can use a familiar application without need of implementing a new workflow. In addition, Merge Universal Viewer addresses image segmentation bottlenecks by producing 3D anatomic model print files in a quick, accurate and cost-effective manner.

Image-enabled patient portals

Ninety-two percent of hospitals allow access to medical records², according to the American Hospital Association. However, few allow patients to view their own medical images through a portal. Merge Universal Viewer provides a secure user-friendly web-based access to medical images in patient portals that is compliant with the latest requirements of the CMS Interoperability and Patient Access Final Rule.



Merge Universal Viewer empowers you to:

- Leverage unlimited use of the zero-client web uploader, exam importer client and access gateways for image exchange and reconciliation
- Integrate MIP, MPR, curved MPR, color volume renderings, sculpting, segmentation and calcium scoring
- Utilize IHE profile support for DICOM, XDS, XDS-I, XDS-I.b, XCA-I, XDS-SD, ATNA, CT, PIX/PDQ and BPPC
- Enable user preferences with the new universal interface in addition to the existing enterprise viewer user interface
- Support up to 10 users in a single remote real-time collaboration session
- Image enable your patient portals in compliance with the CMS Interoperability and Patient Access Final Rule, to give patients seamless and easy access to their medical images
- Integrate with the new Merge Workflow Orchestrator to provide a simplified reading worklist experience with multiple monitors, display of relevant priors and study-level thumbnail images.
- Enjoy QC bin integration to minimize “lost” image files trapped in the QC Bin – avoid slow-down in patient care caused by manual correction of the data violations

- Enjoy PACS-like features with a zero footprint universal viewer
- Employ new display features for enhanced nuclear medicine and PET image viewing
- Utilize IdP (Identity Provider) Integration for user management and access to multifactor authentication
- Integrate with Merge Cardio™ Web to launch with a cardio user viewing experience

Merge Universal Viewer 3D advanced imaging module enables:

- Support for MIP (maximum intensity project), MPR (multiplanar reconstruction), 3D volume rendering and cardiac calcium scoring.
- Ability for reading physicians, referring physicians and other healthcare personnel to employ advanced image processing and display from local or remote locations.
- Export of 3D images as STL digital files suitable for the fabrication of physical replicas using DICOM files as inputs, for educational use only.

The Merge portfolio offers a range of imaging applications

In addition to Merge Universal Viewer, other applications include Merge VNA, Merge Workflow Orchestrator, Merge PACS, Merge Cardio and Merge Hemo. They provide advanced capabilities to help healthcare organizations seamlessly ingest, manage, store, view, share and exchange imaging-related healthcare data.

Merge enables users to leverage existing applications and widely used web and healthcare technology standards to create a vendor-neutral, interoperable environment that enhances collaboration. In addition, with Merge Universal Viewer, patients are more engaged with their care by actively sharing pictures, videos, and other image files with their physicians, who can then add this information to the electronic health record.

About Merge

Merge medical imaging solutions, offered by Merative, combine intelligent, scalable imaging workflow tools with deep and broad expertise to help healthcare organizations improve their confidence in patient outcomes and optimize care delivery.

Learn more at merative.com/merge-imaging

About Merative

Merative provides data, analytics, and software for healthcare and government social services. With focused innovation and deep expertise, Merative works with providers, employers, health plans, governments, and life sciences companies to drive real progress. Merative helps clients orient information and insights around the people they serve to improve decision-making and performance.

Learn more at merative.com.

Footnote

1 <https://www.mckinsey.com/industries/healthcare/our-insights/what-payers-and-providers-can-learn-from-successful-cloud-transformations-in-other-industries>

2 "Individuals' Ability to Electronically Access Their Hospital Medical Records, Perform Key Tasks is Growing," Trend Watch, American Hospital Association, July 2016.

© Merative US L.P. 2024. All Rights Reserved.

Produced in the United States of America
2024

Merative and the Merative logo are trademarks of Merative US L.P. Other product and service names might be trademarks of Merative or other companies.

The information contained in this publication is provided for informational purposes only. While efforts were made to verify the completeness and accuracy of the information contained in this publication, it is provided AS IS without warranty of any kind, express or implied. In addition, this information is based on Merative's product plans and strategy as of the date of this publication, which are subject to change by Merative without notice. Nothing contained in this publication is intended to, nor shall have the effect of, creating any warranties or representations from Merative, or stating or implying that any activities undertaken by you will result in any specific performance results. Merative products are warranted according to the terms and conditions of the agreements under which they are provided.

Merge imaging solutions are manufactured by Merge Healthcare Incorporated, an affiliate of Merative US, LP
900 Walnut Ridge Drive, Hartland, WI USA 53029

ICA-35260 Rev. 5.0



Learn how you can benefit

Merative provides award-winning enterprise imaging solutions for radiology, cardiology and orthopedics, using vendor neutral cloud and AI technologies to reduce workspace complexity and create seamless workflows.

Visit [our website](#) or [talk to an enterprise imaging solutions expert](#) to learn more about how Merative can help you.