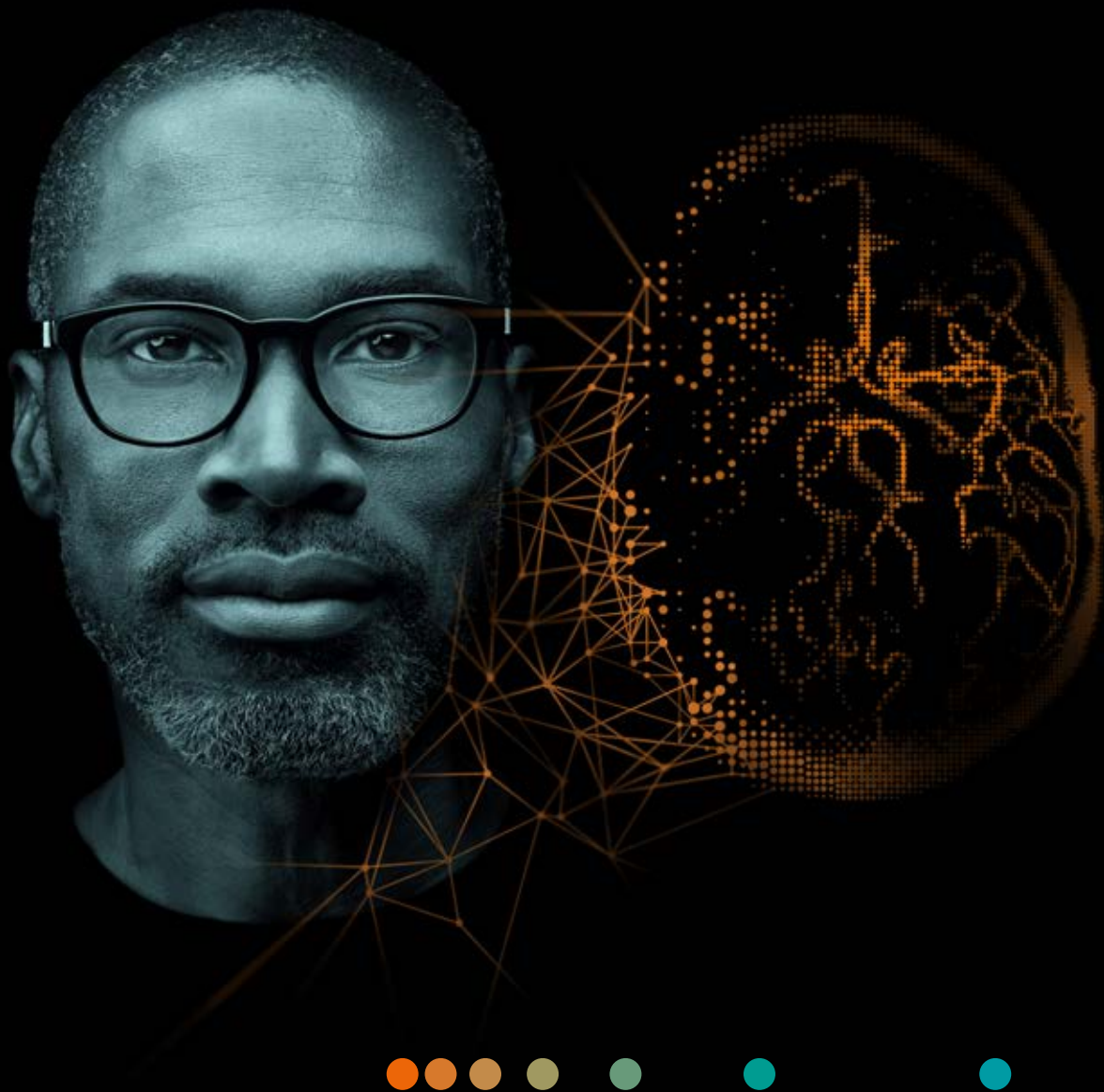


Cinematic Reality

syngo.via Cinematic Rendering
combined with Microsoft HoloLens 2¹



¹ Copyright Microsoft.

Solution
Partner



SIEMENS
Healthineers

Cinematic Reality

Key images are one of the most important ways for radiologists and clinicians to achieve understanding and improve communication in the complex clinical environment. They can be used from communicating with referring physicians, educating students, enhancing patient experience up to planning an upcoming operation and therefore have 'a great impact on the patient outcome.

An image is worth a thousand words.

The innovative minds and algorithms behind Cinematic Rendering create a photo-realistic depiction of the physical structure of bone and tissue alike, as though you would be looking into the real human body. This approach drives high image quality and helps to see anatomy and pathology in a new way.

An evaluation study at University Hospital Erlangen, Germany, showed that Cinematic Rendering 3D visualizations supported the anatomic interpretation process. The visualization with CR allowed a more correct and faster comprehension of the surgical anatomy compared with conventional CT imaging, independent of level of surgeon experience.¹

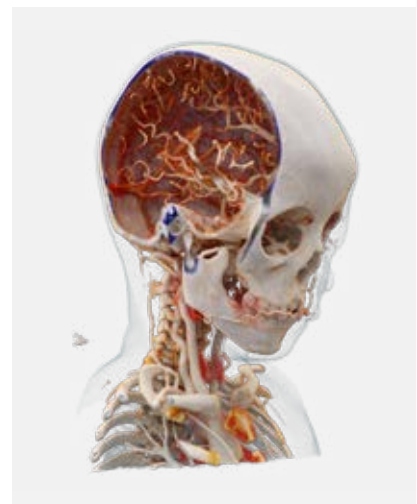
¹ *Comparison of Cinematic Rendering and Computed Tomography for Speed and Comprehension of Surgical Anatomy*, JAMA Surgery

What could an image be worth in mixed reality?

We firmly believe that a photo-realistic representation of clinical images can make communication between physicians and patients easier, and that it can also help with medical training."

Christian Zapf,
Head of Syngo Business Line at Siemens Healthineers

Being able to bring a Cinematic Rendered image (cVRT) in the real 3-dimensional space, allows you to make the most out of your clinical images and transform your clinical collaboration and teaching. Cinematic Reality supports complex anatomy in actual 3-dimensional space. The new Cinematic Reality application lets you rotate and pan images as well as zooming in and out of them. With intuitive gestures to control the application it really is as easy to understand as the images themselves.



Key benefits of Cinematic Reality application with mixed reality



Communication



Spatial Perception

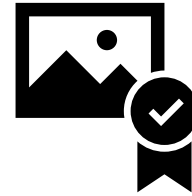
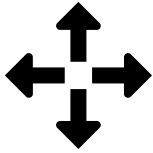


Image quality

Easy to understand interaction with simple gestures



Pan



Zoom



Rotate

“The innovative Cinematic Rendering solution paired with HoloLens 2 creates transformative experiences across the medical field and shows the true power of mixed reality to improve collaboration and communication.”

Alex Kipman, Technical Fellow,
AI and Mixed Reality, Microsoft

*The combination of cVRT and HoloLens 2 is still in prototype stage and not commercially available.
Due to regulatory reasons its future availability cannot be guaranteed.*



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