

Who are we
creating for?

For universities

The opportunity to create
a modern laboratory of anatomy
and foster the development of
students' spatial imagination.



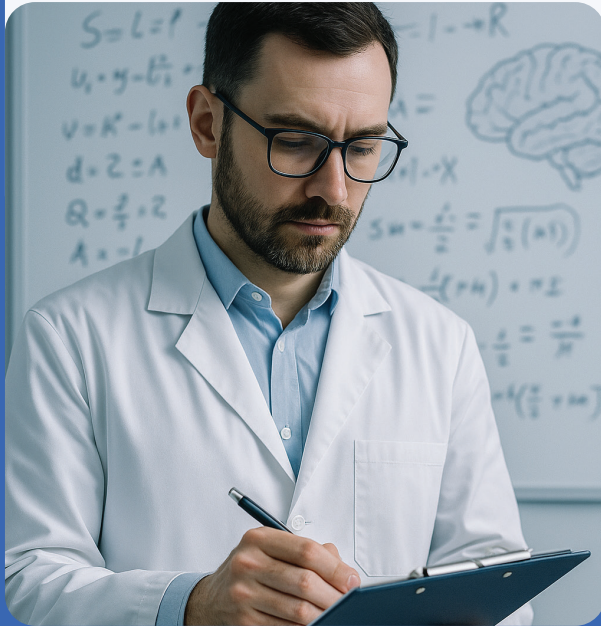
For students

Efficiently combine theory with
practice and the ability to acquire
knowledge faster thanks to
interactive 3D models.



For doctors

Visualize and process 3D imaging
data with precision to support
research and innovation in
medical visualization.



For lecturers

Enrich classes with VR technology
and introduce students to the
world of innovative medical
education.



The material includes images created by HOLO vectors Sp. z o.o. animated 3D model of DICOM images obtained from the database: Cancer Moonshot Biobank. (2022). Cancer Moonshot Biobank – Lung Cancer Collection (CMB-LCA) (Version 8) [Dataset]. The Cancer Imaging Archive. <https://doi.org/10.7937/5CX3-S1S2> belonging to the National Cancer Institute#39;s Cancer Moonshot Biobank, used under CC BY 4.0 license. The images are property of HOLO vectors Sp. z o.o. based in Poznań. All rights reserved.

Notice regarding professional clinical use Our team is intensively developing a version of the system intended for physicians and medical specialists. HOLO vectors software with specialized features is currently undergoing certification to meet the highest standards of quality and safety. The software and hardware currently available from HOLO vectors are for educational and training purposes. For more information, please contact: contact@holovectors.com.

HVJCEng/10.2025/1

Enter the world of modern
medical visualization

Images created using our 3D
visualization Platform can be viewed
with a virtual or augmented reality
(AR/VR) headset or on a monitor screen.

If you want to learn more about how augmented
and virtual reality can support you, we are here to
help and answer any questions you may have!

Please contact us.

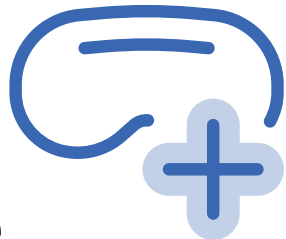
 contact@holovectors.com

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See what we do



Holography
for medicine



Who are we?

A team that combines medicine, engineering and new technologies to improve methods of processing and visualizing medical images and medical data.

We want our technology to support the learning process and develop spatial thinking skills, which are key to future diagnostics and clinical practice.



Innovation



Quality



Usability



Accessibility



Collaboration



Support

3D visualization Platform



The 3D visualization Platform integrates innovative software with a dedicated hardware setup, including a computer, monitor, and AR/VR headset.

A new standard in medical visualization

At HOLO vectors, we develop an innovative 3D visualization Platform that transforms DICOM images – from CT or MRI scans – into interactive, three-dimensional holographic models.

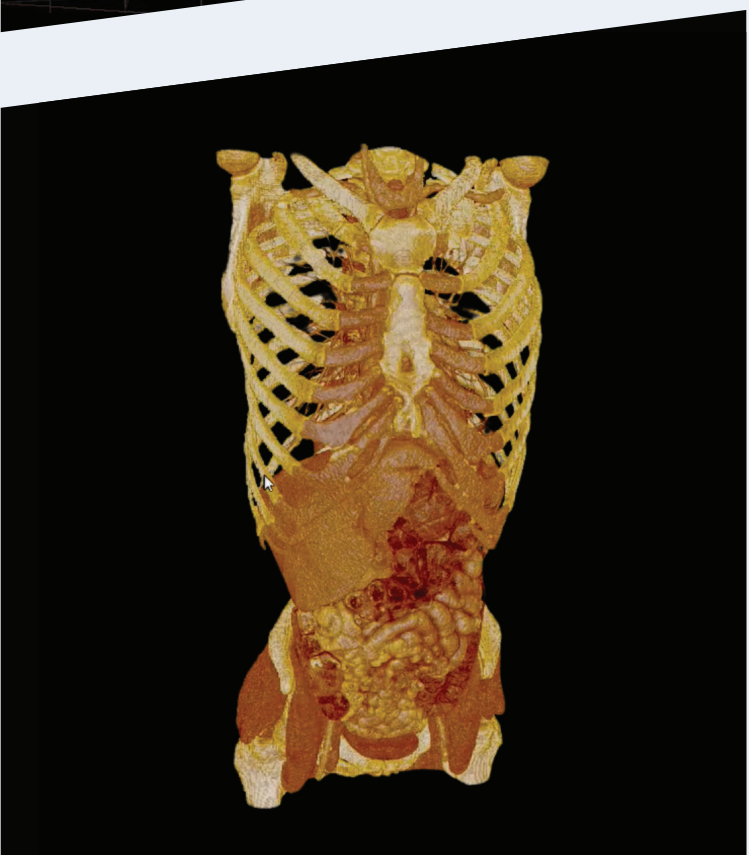
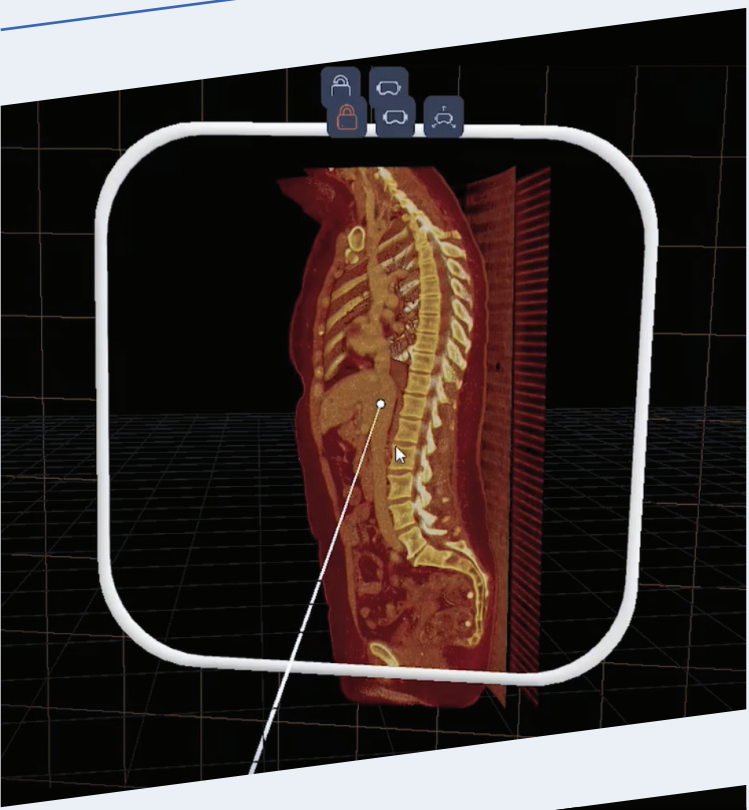
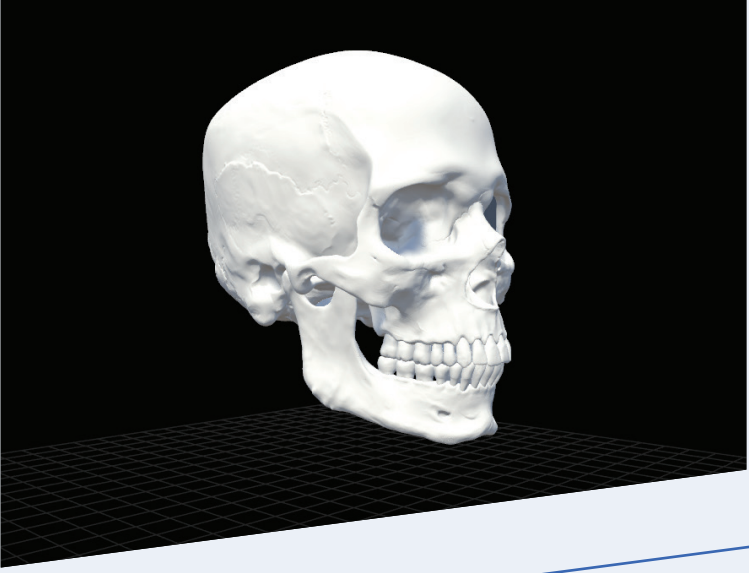
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Excellent image quality
High-quality images of anatomical structures and tissues.
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Easy-to-navigate interface
Intuitive operation both on the monitor screen and through the AR/VR headset.
- 

Fast data transfer
Automatic generation of 3D images from DICOM files.

This product is intended for training and educational purposes. This product is not a certified medical device.



Selected features of the 3D visualization Platform

Precise manipulation of 3D models

Precise control over the position, size, and orientation of 3D objects in virtual and augmented reality.

Cross-section preview

Gain insight into the internal structures of the model by moving the cross-section plane along any axis.

Selective layer preview

Display selected model elements, such as organs, tissues, or other layers.

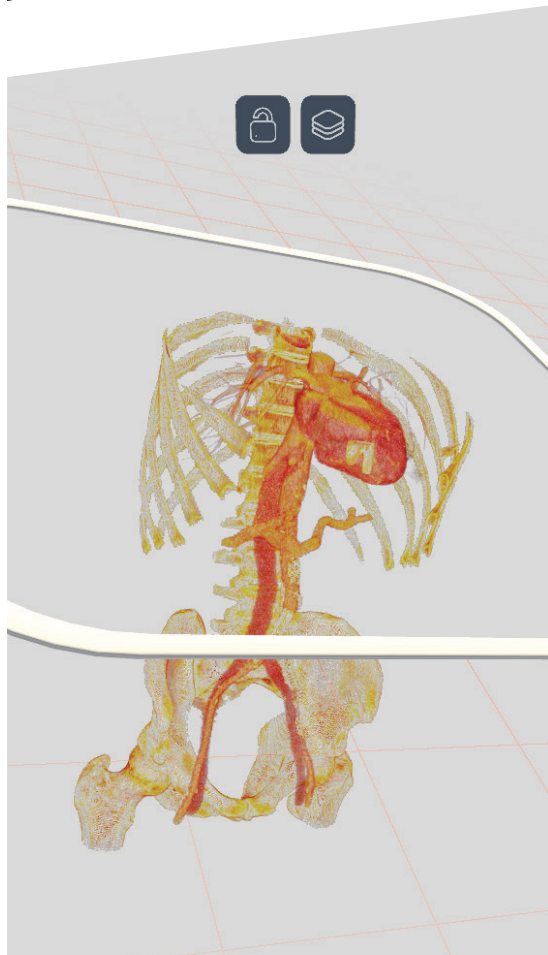
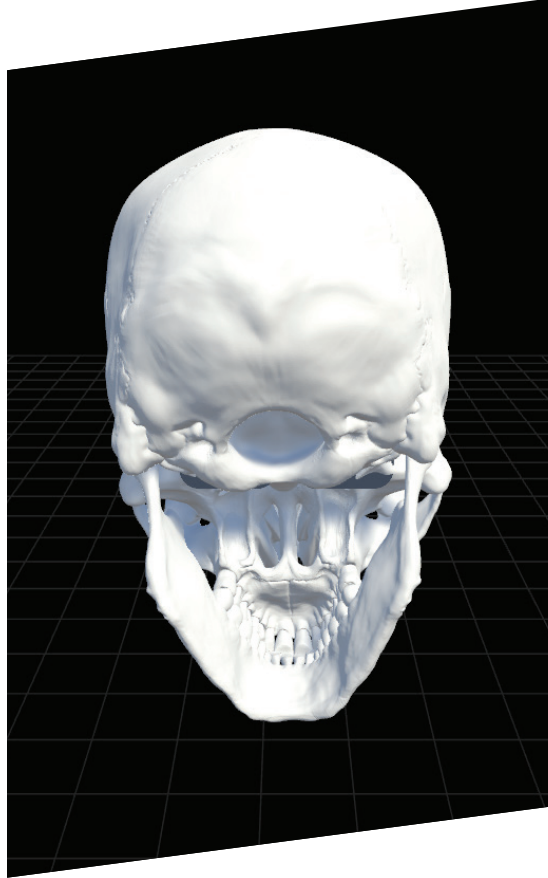
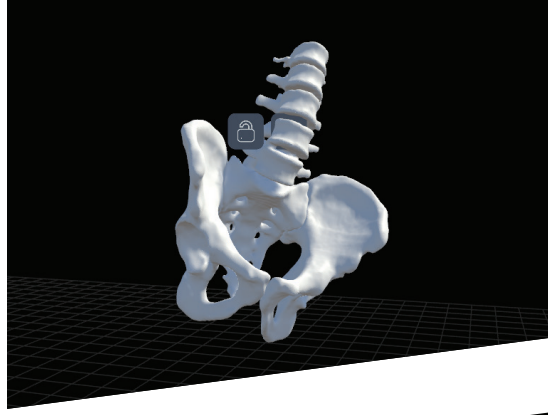
Import data from various sources

Transfer medical images files from a variety of sources, including local servers, hard drives, and external storage media (CDs, USB drives).

Preview additional image sources

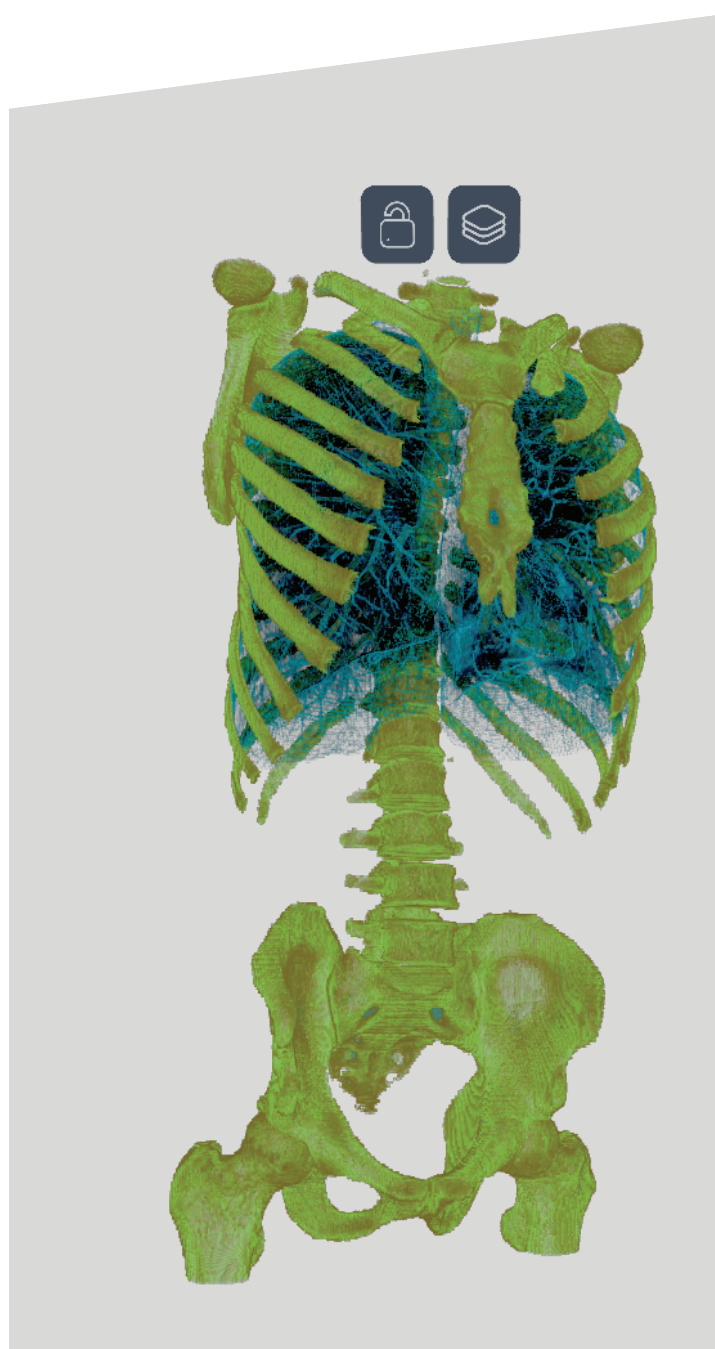
Open files in various formats, launch the built-in DICOM viewer and synchronize it with the 3D model in real time.

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From launch to precise visualization

- 1 Uploading DICOM files to the 3D visualization Platform.
- 2 Automatic generation of three-dimensional anatomical models.
- 3 Exploring visualizations on screen or in AR/VR headset.



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The 3D model "Human Skull – Caucasian Male", "Pelvic bone, lumbar vertebrae" were purchased from CGTrader. Used in compliance with the CGTrader Royalty Free License terms. All copyright remains with the author.