



Cyber-Anatomy Lab™ is an advanced virtual reality turnkey system for learning anatomy. It offers 3D immersive stereographics technology that allows a user to visualize complex anatomy through an intuitive and easy approach. This is a turnkey solution that does not replace having a cadaver but comes very close.



Cyber-Anatomy Lab™ System Summary

Setup time: 5 minutes...simply deposit on the conference room table and turn it on!

Manpower: 1 person

Weight of box: less than 25 lbs

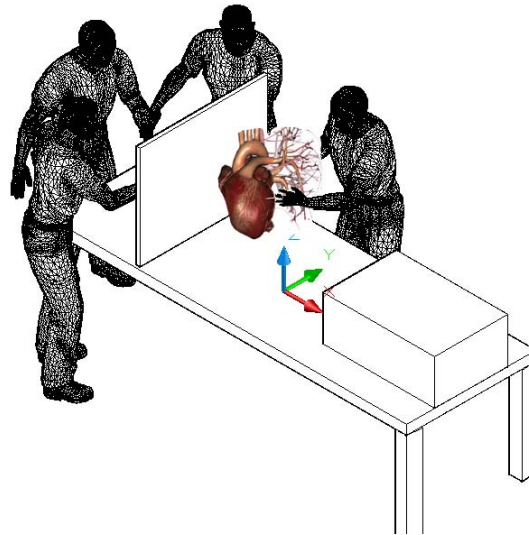
Packaging: One portable box and a 3D screen (screen options are available). This is the world's most advanced VR system, a turnkey solution, all in one portable designer box, yet contains everything you need for a VR stereoscopic presentation.

Cyber-Anatomy Lab™ is all-in-a-box

- Onboard dual processor workstation
- Advanced image generator
- Stereoscopic 3D projection system
- Portable 3D Screen
- Virtual reality visualization software
- Active stereo shutter glasses (7)
- Infrared emitter
- CC Packaged designer box
- 3D input device for interactivity
- Cyber-Anatomy™ software
- Interactive 3D mouse
- User and training manual



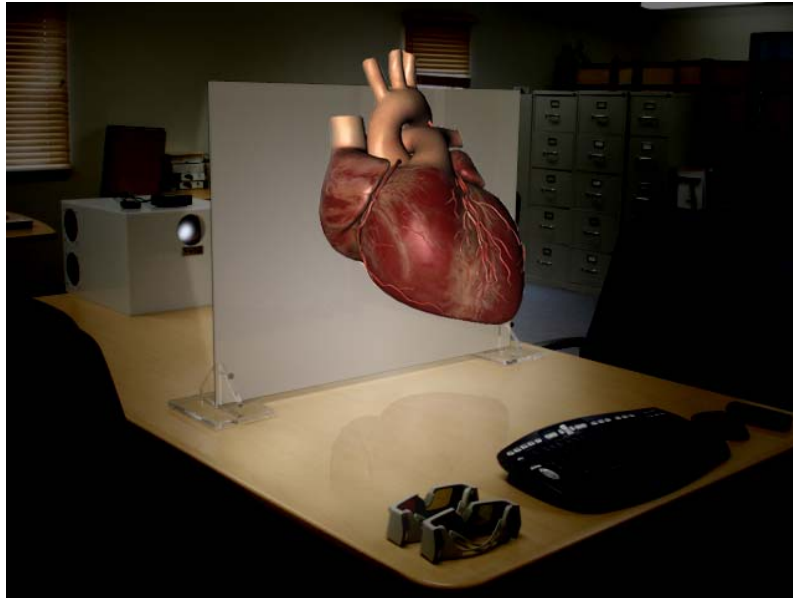
Experience Anatomy in a Whole New Dimension



WHAT IS IT?

A virtual reality turnkey system that provides interactive 3D professional stereoscopic graphics. The system is an all-in-one box + a special 3D screen that contains everything one needs for a virtual reality system. It is a revolutionary breakthrough that allows users to setup in a matter of seconds, simply by depositing the system on a conference room table and turning it on! Students are then able to dissect anatomical structures while fully immersed in virtual reality.

The underlying technology in the Cyber-Anatomy Lab™ product allows for a user to interact with true 3D objects that floats in space like a hologram. Furthermore, the quality of the anatomical models is very high because great care has gone towards developing the CAD data using a number of modeling methods that have only become available in recent years.



Cyber-Anatomy Lab™ was developed based on the most recent technological advancements adopted from gaming and graphics. It is this very fact that renders the products very different than all other products on the market. The combined expertise of engineering (real-time simulation), programming (computer science), 3D modeling (the fine arts), and the clinically viable content have rendered Cyber-Anatomy Lab™ fundamentally different than any other on the market.

MODE OF VISUALIZATION

- Active Stereoscopic

Full
Immersion



Who can use it?

Student, educators, health professional, or surgeon who has a need to explore complex anatomy.

KEY FEATURES

- Fine anatomical landmarks (details are within 1mm of what the eye can see)
- Accurate 3D anatomical models (from CT, MRI, and other modalities)
- Surface anatomy
- Textured (colors, textures)
- Labeling (allows student and instructor to mark and label)
- Quizzing module
- Male and female models
- Real-time technology allows for the highest level of immersion.



The complete setup on a conference table



This unforgettable learning experience is achieved by students sitting in front of the large screen wearing 3D glasses to enable stereoscopic visualization. The instructor then stands between the screen and the students, and by using a 3D pointing device, easily interacts with all aspects of the 3D models.

Having total control over the anatomy, the instructor can, for example, present the body of a female; remove a few layers of soft tissue, muscle, nerves and bones, to arrive at the anatomy of the digestive system. Along the way, he can explain each anatomical landmark, while interacting with the model in total immersion. Learning anatomy in 3 dimensions is perhaps the most effective method in the world for retaining what is taught.

Students can readily visualize the anatomy, understand spatial relationships and visualize the minutest of details.

CYBER-ANATOMY VR™

is the virtual reality software that brings the immersion to life... that allows total maneuverability of the anatomical structures... that provides the unforgettable and amazing learning experience!. It is available for purchase separately.

INTERACTING WITH THE VIRTUAL ANATOMY

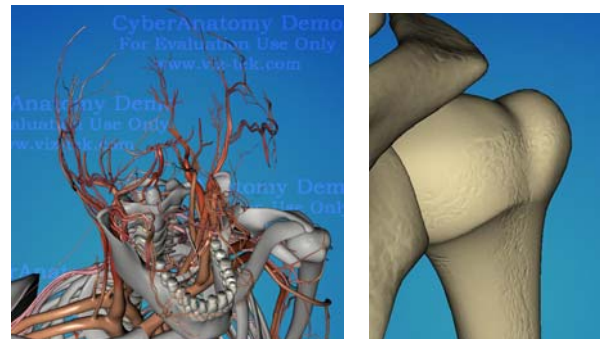
Using a 3D interactive device, a user is able to very quickly and easily maneuver through the complex anatomy. The developers of the CA VR™ pride themselves on creating the most intuitive interface that is designed for ease of interactivity, simplicity of use, and effortless method for loading anatomical structures by **region** or by **system**.

- Rotate
- Zoom
- Tumble
- Manipulate
- Peel
- Transparent
- Hide and unhide
- Select
- Examine
- Peel
- Stick



WHAT ANATOMY SYSTEMS ARE MODELED?

1. Bones and Skeletal Tissues
2. The Skeleton
3. Joints
4. Muscles and Muscle Tissues
5. Muscular System
6. Nervous Systems and Nervous Tissue
7. Central Nervous System
8. Peripheral Nervous System
9. Endocrine System
10. Cardiovascular System: The Heart
11. Cardiovascular System: Blood Vessels
12. Lymphatic System
13. Respiratory System
14. Digestive System
15. Urinary System
16. Reproductive System



Details of the anatomical structures



OTHER COMPLETE TURNKEY SYSTEMS

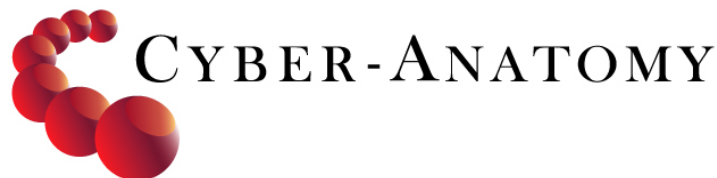
Cyber-Anatomy International™

VR system – classroom size. Consists of a completely integrated systems with computers, stereoscopic display system, electronics, warranties.



OTHER MODULES UNDER DEVELOPMENT

- Cyber-Anatomy Web™ - Software deployed through the web
- Cyber-Anatomy Motion™ - muscle, joint motion
- Cyber-Anatomy Dissect™ - dissection module
- Cyber-Anatomy Pathology™ - contains pathological deformities
- Cyber-Anatomy Flow™ - Blood and fluid flow
- Cyber-Anatomy Tutorial™ - 3-step solution to learning anatomy
- Cyber-Anatomy Instructor™ - A complete system for instructors
- Cyber-Anatomy Sports Medicine™ - Understand sports injuries, conditions
- Cyber-Anatomy Chiropractor™ - Understanding of manipulation, injuries
- Cyber-Anatomy Neuro™ - Understanding of the neuro-anatomy
- Cyber-Anatomy Patient Education – For educating/consent of patients
- Cyber-Anatomy Gaming™ - A general educational game



Experience Anatomy in a Whole New Dimension

CONTACT US

Cyber-Anatomy, Inc.
1910 S. Gilbert Street
Iowa City, IA 52240
USA

Tel. (319) 354-2555
Email: sales@cyber-anatomy.com
<http://www.cyber-anatomy.com>