

*Digital ArtForms*

# THE **INTERFACE** **MATTERS**

**...FASTER EXAMS, BETTER CONTROL  
AND A HEALTHIER WORKFLOW.**

## **INTRODUCING IMEDIC3D AND IMEDICPACS**

The first in a new generation of radiology applications.

iMedic3D expands what is possible, offering unheard of control in 3D visualization.

iMedicPACS will increase traditional cross-sectional image examination throughput and offer a healthier workflow for the physician.

iMedic3D and iMedicPACS are radical departures from the way we do things today, yet they are natural extensions of your innate skill set. Leverage your natural dexterity for faster exams, better control, and a healthier workflow.

### **ELIOT SIEGEL, MD**

"The mouse and keyboard interface for imaging systems, including the PACS, has been essentially unchanged since the early 1990s.

Digital ArtForms' tracked interface is strikingly different and the first real improvement I've seen. It's a lot faster and easier to move around 3D data and should improve the quality of image interpretation."

### **DAVID KIM, MD**

"The tracked interface is a paradigm shift in interpretation that makes sense. It supports cross-sectional examination and extends naturally into the third dimension. This is the future of radiology."

### **EXPERIENCE IMEC3D & IMEDPACS AT RSNA 2011**

**Booth #1508, Lakeview**



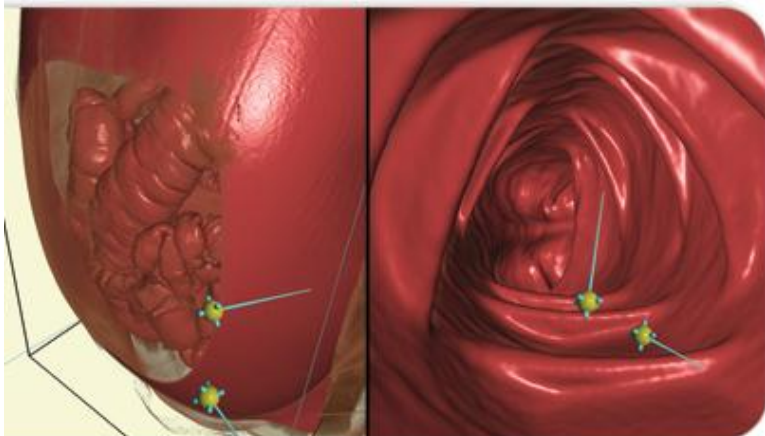
# IMEDIC3D

AVAILABLE TODAY  
without FDA clearance



## THE TWO-HANDED INTERFACE (THI)

Driven by this pair of hand-held tracked controllers, THI lets you rapidly go anywhere in 3D. Place yourself at any location, looking in any direction and at any scale with just a few simple gestures. Go places you simply can't go with the mouse.

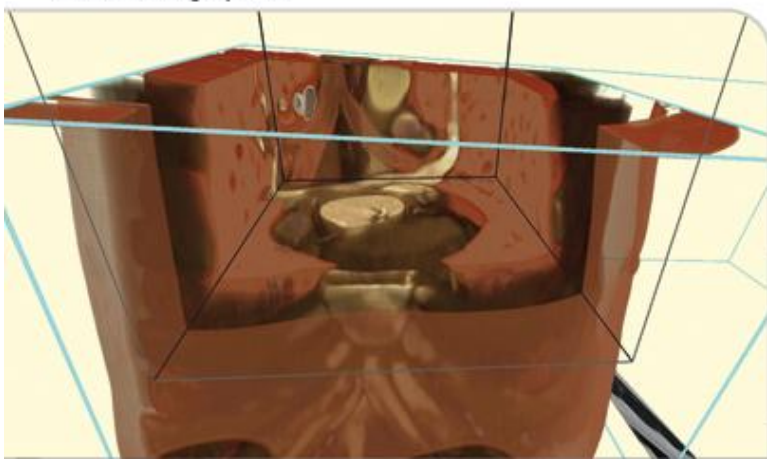


## VIRTUAL TOOLBOX

A virtual control panel lets you manage all aspects of a session — tools, rendering, videos,... The panel floats over your left hand and can be accessed anywhere you go.

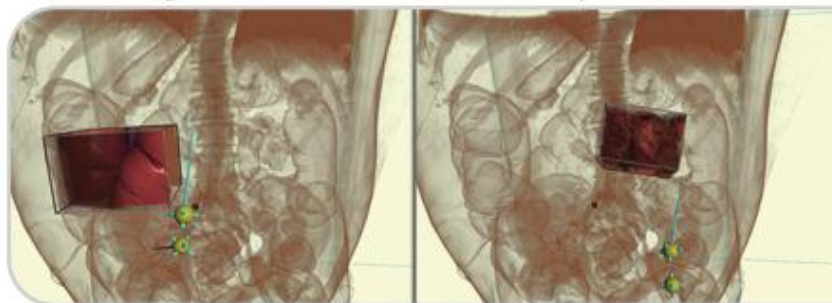
## THE CLIPBOX

The Clipbox is a user-defined region that supports more effective examination of complex datasets. Whereas THI lets you position yourself in convenient reach of any region of interest, the Clipbox lets you control how elements inside and outside that region are rendered. This affords a better vantage point.

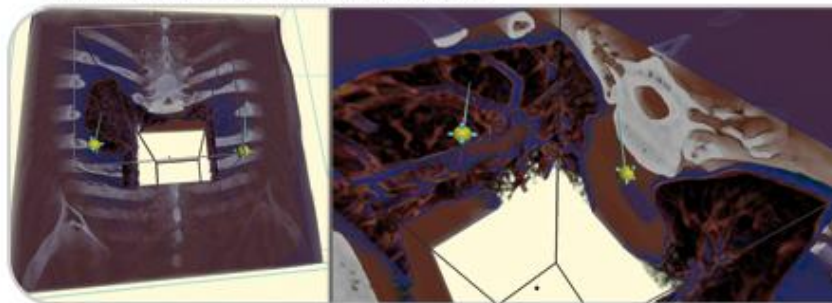


## DECLUTTER

Declutter scenes by surrounding features with the Clipbox and setting elements that fall outside as transparent.

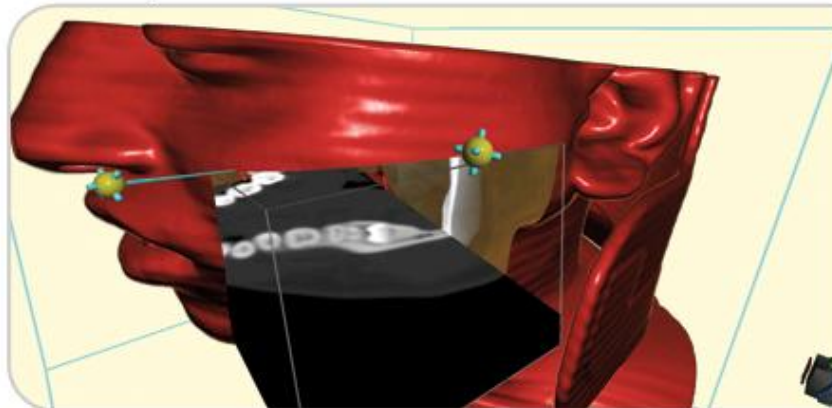


Conversely, set elements inside as transparent to cut channels and cavities in dense or cluttered regions and gain easy access to hard to reach features. Go into these regions and adjust what is visible from within.



## THE CLIPPING SLICEBOX

The Clipping Slicebox brings the raw data anywhere in the scene to view it in its 3D context. Locate a lesion by its shape and confirm its composition with the raw imagery without deceiving artifacts.



## HAND-CONTROLLED TRADITIONAL VIEWS

The standard axial, sagittal, and coronal views, plus obliques are viewable and controllable in 3D context.

## MEASUREMENT IN CONTEXT IN 3D

Measure your data in 3D where, for example, you can better determine the widest or narrowest point of the anatomy.

## PROVEN PERFORMANCE BENEFITS

THI was compared with the mouse in a study for the U.S. Army TATRC and the results were dramatic in the most fundamental of 3D tasks.

**FOR NOVICE USERS, THI WAS SHOWN TO BE 4-5 TIMES AS FAST AS THE MOUSE. FOR EXPERTS THE GAIN APPROACHED 9X.**