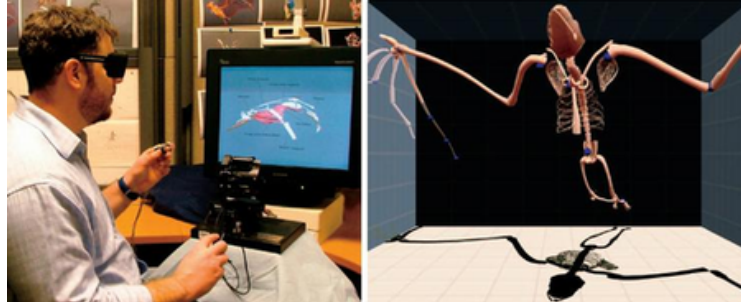


Technology Tuesday

Description



Hmmmâ€¦reminds me of â€œConspiracy Theoryâ€• but with HMDs. [â€œDrawing on airâ€•](#) but oh, so coolâ€¦

Artists â€œdraw on airâ€™™ to create 3D illustrations
By Lisa Zyga

By putting on a virtual reality mask, holding a stylus in one hand and a tracking device in the other, an artist can draw 3D objects in the air with unprecedented precision. This new system is called Ã¢â‚¬â€œDrawing on Air,Ã¢â‚¬â€• and researchers have designed the interface to be intuitive and provide the necessary control for artists to illustrate complicated artistic, scientific, and medical subjects.

[â€¦]

Pretty cool stuffâ€¦.but you need the HMD of your choiceâ€¦



[Look at this:](#)

The Sensics piSight™ products are the world's most immersive head-mounted displays, ideal for numerous applications including virtual prototyping, training, data mining and more. The panoramic, upgradeable, high-resolution piSight displays offer:

Panoramic field of view that delivers full 3D immersion: from 82° to 180° diagonal, depending on model

A modular, upgradeable design that fits a very wide range of performance and budget requirements

High resolution: Up to **4200—2400 pixels per eye (2400—1720 effective)**

Ease of use: **weighing less than 1 kg (2 lbs.)**, piSight HMDs feature an open-frame design that is comfortable and stays cool

[More specs:](#)

Product Specifications

The following table shows key performance parameters common to all the piSight panoramic head-mounted displays. Please visit the available configurations page for the information about specific configuration.

Field of view

(depending on model) 82° to 180° diagonal

58° to 179° horizontal

29° to 84° vertical

Binocular overlap 29° to 82° depending on model

Resolution 20 pixels/degree

2.9 arcmin/pixel throughout entire visual field

Color 24 bit color

75% of NTSC gamut

>800:1 contrast

Frame Rate 60 Hz

Eye relief 18 mm

Interpupillary distance 55 mm minimum

71 mm maximum

Head supported weight 1.5 to 2 lbs (0.7 to 1 kg) depending on model

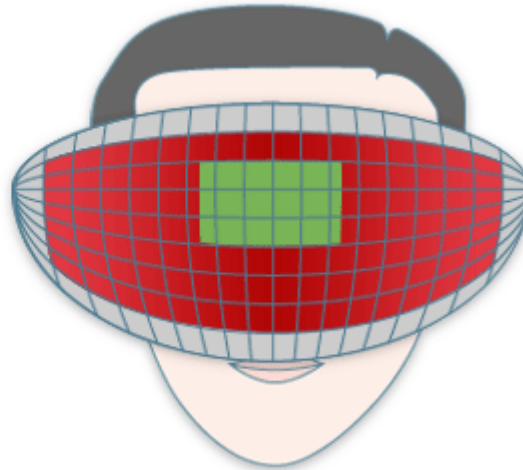
Tracking Compatible with most motion trackers and many eye trackers

Visual Field of View:

 Human Visual Field

 **Sensics piSight**
(depending on model)

 Other HMDs



Toss in, some most likely very, very pricey (today) [Sensics PiSight Full Immersion 3D displays](#) and what a virtual experience youâ€™™ll haveâ€™™like IMax, without having to find a parking placeâ€™™or the each time excessive ticket prices. Nowâ€™™how to get into the [I/ITSEC](#) conference in November in Orlando to check the Sensics products outâ€™™Between that and holographic displays, a whole new word of visual delights await us.

Category

1. Technology
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