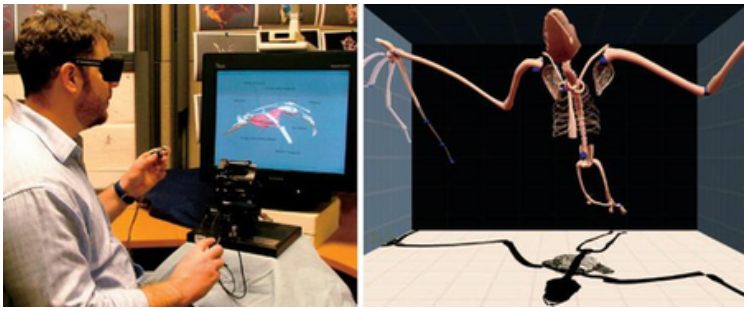
Technology Tuesday

Description



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

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> Artists â€˜draw 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‚¬Å“Drawing 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 piSightÃ¢â€žÂ¢ products are the worldâ€™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 82Ã‚Â° to 180Ã‚Â° diagonal, depending on model
A modular, upgradeable design that fits a very wide range of performance and budget requirements
High resolution: Up to ***4200Ã—2400 pixels per eye (2400Ã—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:

ProductspiSightÃ¢â€žÂ¢ Specifications

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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) 82Ã‚Â° to 180Ã‚Â° diagonal
58 Ã‚Â° to 179 Ã‚Â° horizontal
29 Ã‚Â° to 84 Ã‚Â° vertical

Binocular overlap 29Ã‚Â° to 82Ã‚Â° 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

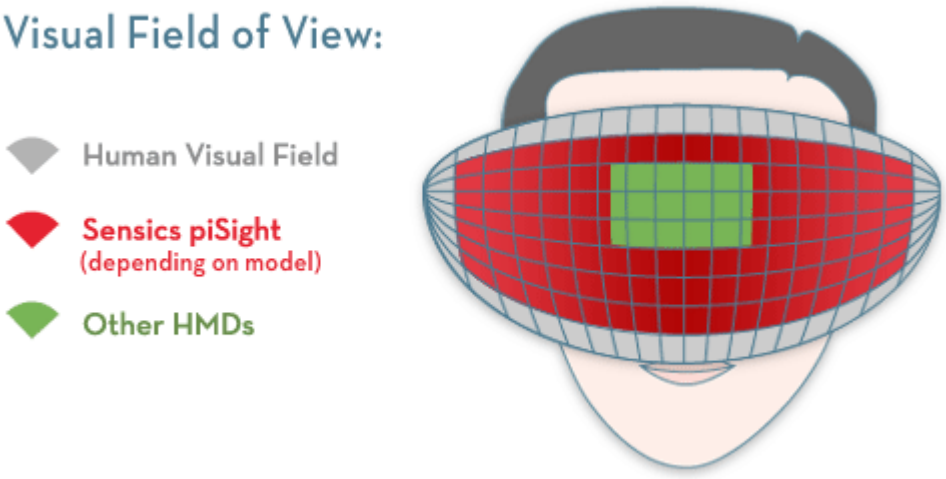
Frame Rate 60 Hz

Eye relief 18 mm

Interpupillary distance 55 mm minimum
71 mm maximum

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

Tracking Compatible with most motion trackers and many eye trackers



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.

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Date Created
October 16, 2007
Author
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