Natural 3D displaying



Large-scale 3D displaying



Realistic 3D visualization of rendered content on HoloVizio 720RC

ТМ

"Historically, 3D displays have typically featured some sort of trade off in image quality so that they were never as good as their 2D counterparts. Recent developments in 3D diplaying have demonstrated this not only possible but reasonably cost effective."

Insight Media, 3D Technology and Markets, A Study of All Aspects of Electronic 3D Systems, Applications and Markets, 2007

HoloVizio 722RC

The new 72" model

- Improved resolution (2x pixels)
- Exceptional brightness (3x increase)
- Enlarged FOV
- Better image uniformity
- Reduced dimensions
- More powerful cluster

Why HoloVizio is true 3D?

User benefits of Holografika technology in 3D display solutions:

- Large field of view supports
- Continuous motion parallax, which provides "look-behind" capability
- No fixed viewer positioning required, viewer can freely move in front of the screen
- No optical contradictions, no side effects, discomfort, disorientation in longer, everyday use
- Stable 3D image which doesn't "jump" between views in the horizontal perspective
- No head tracking necessary (no latency or accuracy problems)
- Ability to display any type of 3D information and to use different OpenGL based 3D software solutions
- 2D compatibility. No need to switch between 2D and 3D view
- Full frame rate motion and real-time interactivity
- High brightness, good visibility under normal lighting conditions



Holografika Kft. Pf. 100. Budapest H1704, Hungary, Tel: +36-1-2824921, Fax: +36-1-3581208, www.holografika.com

The 3D displaying technology that works

The holographic 3D display system developed by Holografika overcomes the limitations of the current 3D displays, reconstructing natural 3D images to a number of viewers in a reasonable field of view, with walkaround possibility without any restrictions.



This is a high-end solution compared to other technologies and fullfils all the requirements of real 3D displaying simultaneously.



Tested software with HoloVizio systems:

HoloVizio is compatible with applications based on the following common OpenGL-based visualization libraries: OpenInventor, Inventor, Coin3D, OpenSceneGraph, AVS/Express jMonkey, WorldWind, Unity.

CAD models ArchiCAD, AutoCAD, Autodesk Inventor, Alias StudioTools, CATIA, CoCreate OneSpace, DesignCAD, Rhino, Siemens NX, SolidWorks, SolidEdge, Unigraphics, VR4MAX

Models from modeling software 3ds Max, Blender, Bryce, Cinema4D, LightWave 3D, Maya, Softimage XSI

Scientific / Simulation models 3D Slicer, Ansys, Abacus, Comsol Multiphysics, Mathematica, Matlab, Mercury, Visual Molecular Dynamics 3D model viewers IVTuneViewer, DeepView, EON Viewer, Milkshape 3D



Users of a HoloVizio 720RC system*

http://www.crs4.it/vi

🙀 CRS4 Visual Computing

"CRS4 research activities focus on enhancing spatial understanding of massive 3D data through the development of novel interactive rendering systems harnessing the perceptual cues delivered by 3D displays. The main applications include exploration of large volumetric datasets generated by medical data acquisition devices and time-critical visualization of gigantic point clouds and triangle meshes generated by 3D scanning and numerical simulation."

CRS4 Visual Computing, Italy *Predecessor of HoloVizio 722RC

