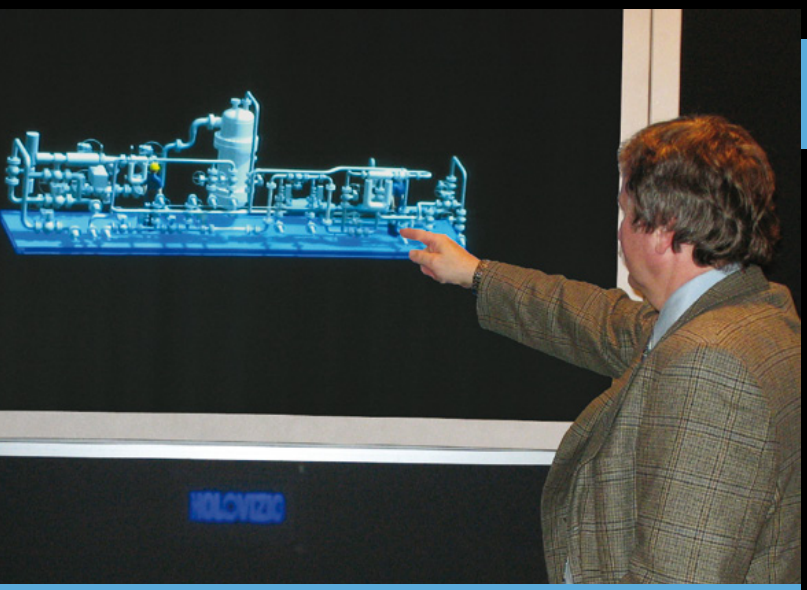
HOLOVIZIO™

Natural 3D displaying



Large-scale 3D displaying

Realistic 3D visualization of rendered content on HoloVizio 720RC

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

nsight Media, 3D Technology and Markets, A Study of All Aspects of Electronic 3D Systems, pplications and Markets, 2007

HoloVizio 721RC

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:

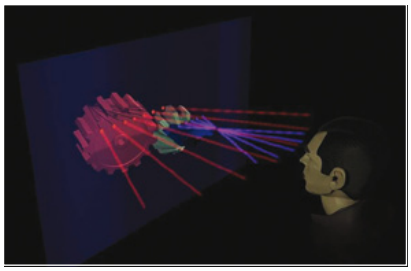
- Large field of view supports
- Continuous motion parallax, which provides "look-behind" capability
- No fixed viewer positioning required, viewer can freely move in front of the screen
- No optical contradictions, no side effects, discomfort, dis-orientation in longer, everyday use
- Stable 3D image 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

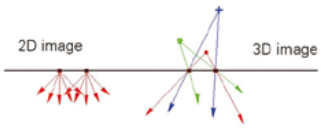
HOLOGRAFIKA

Holografika Kft. Pf. 100. Budapest H1704, Hungary,

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 walk-around possibility without any restrictions.





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

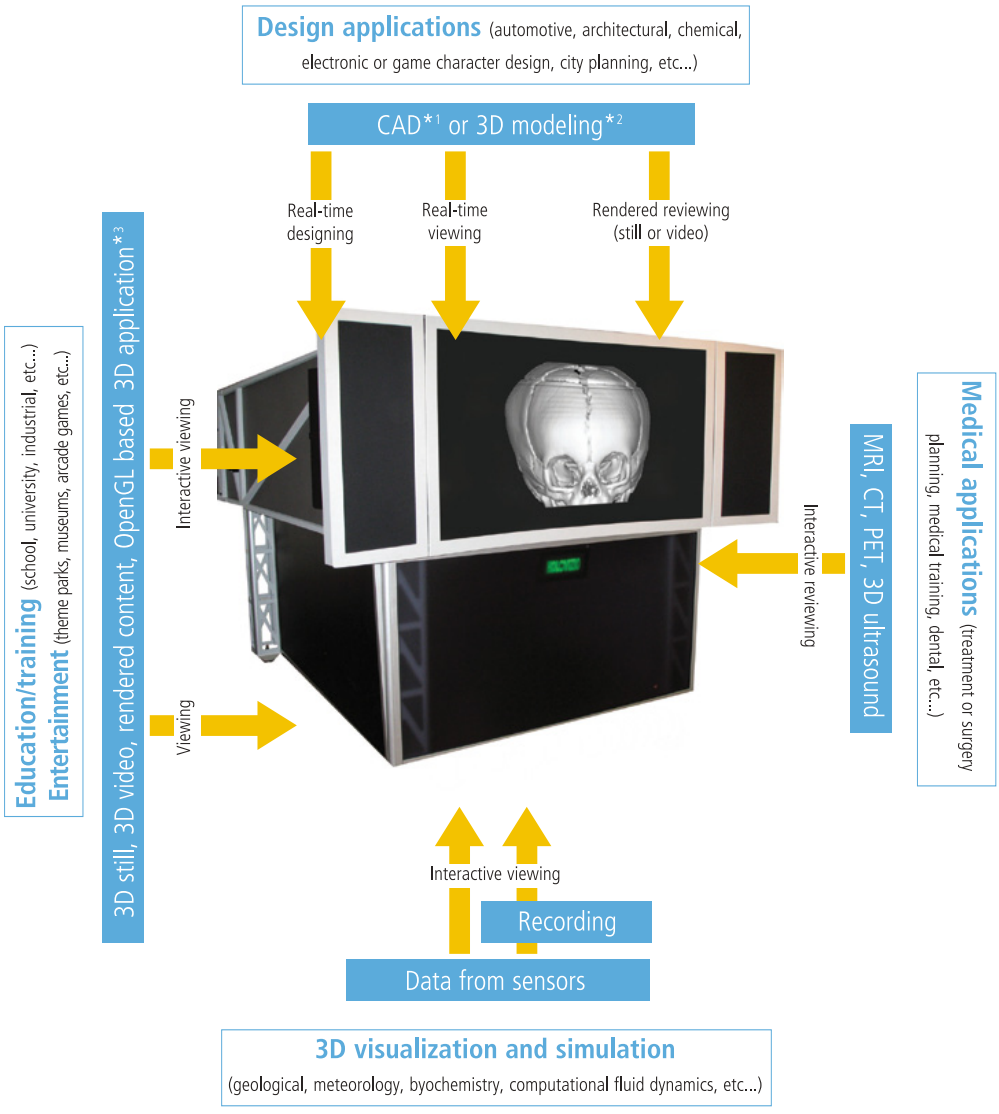
CRS4 Visual Computing
http://www.crs4.it/vic/

Users of a HoloVizio 720RC system*

"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 721RC



Product name
HoloVizio 721RC
Aspect ratio
16:9
Screen size
72" (~1800 mm) diagonal
1560 mm x 880 mm
3D resolution
73 Mpixel
2D equivalent resolution
1280 x 768 pixel
Input
Gigabit Ethernet (CAT6) or Infiniband
Compatibility
PC & WorkStation
Viewing angle
70 degrees
Colour
16 Million (24 bit RGB)
115% NTSC
Brightness
~ 1500 cd/m^2
Dimensions (W x H x D)
3050 mm x 2150 mm x 2700 mm
Power network compatibility
50 Hz ... 60 Hz
Nominal voltage
230/400 V, 115/200 V
Power Consumption / Dissipated heat
Max. 10 kW
5-wire TNS system
Operating temperature
+5°C ... +25°C
Relative humidity
Max. 80% / 50%
Usage type
Indoor

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
*1 CAD models ArchiCAD, AutoCAD, Autodesk Inventor, Alias StudioTools, CATIA, CoCreate OneSpace, DesignCAD, Pro Engineer, Rhino, Siemens NX SolidWorks, Solid Edge, Unigraphics, VR4Max
*2 Models from modeling software 3ds Max, Blender, Bryce, Cinema4D, LightWave 3D, Maya, Softimage XSI
*3 Other software Ansys Comsol MatLab Simulink 3D Toolbox, Shell 123DI, Visual Molecular Dynamics, 3D Slicer, EON Viewer, Milkshape3D

HOLOGRAFIKA

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