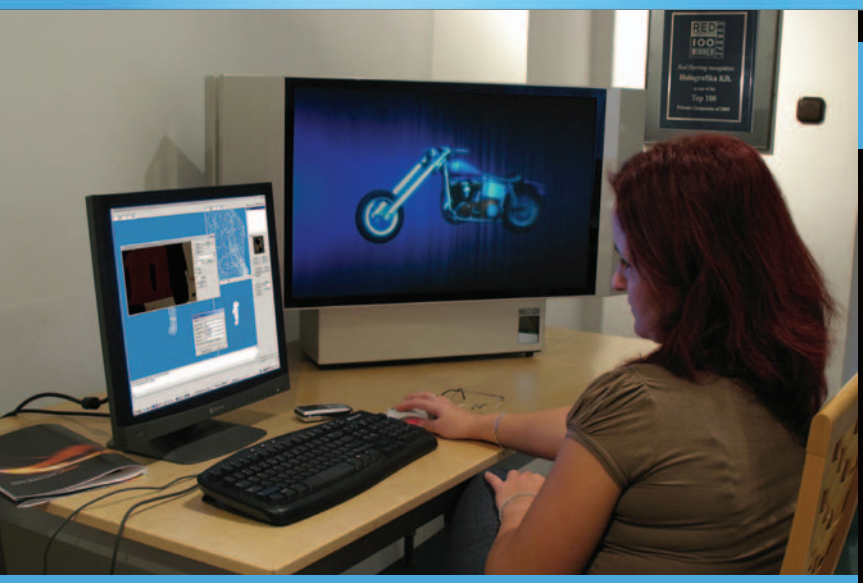
HOLOVIZIO™

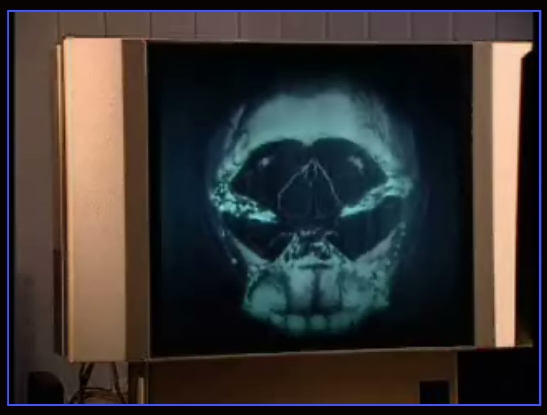
Natural 3D displaying*

*for the naked eye



HoloVizio 128WLD

Monitor type 3D displaying



Medical dataset displayed on monitor type HoloVizio unit

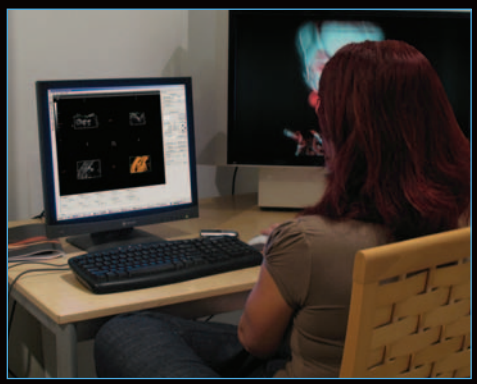
"Historically, 3D displays have typically featured some sort of trade off in image quality so that they were never as good as their 2D counterparts. Recent developments in 3D diplaying have demonstrated this not only possible but reasonably cost effective."

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

Why HoloVizio is true 3D?

User benefits of Holografika technology in 3D display solutions:

- Continuous motion parallax, which provides "look-behind" capability
- Large field of view supports more viewers, and collaborative use
- 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 don't "jump" between views in the horizontal perspective
- Reference points do not move if the viewer is moving and are exactly there where they seem to be (the 3D object position does not depend on the viewers' position)
- No head tracking necessary (no latency or accuracy problems)
- The 3D view can be seen in the entire field of view, no invalid zones
- Any kind of objects or 3D views can be visualized with correct occlusion, vs. wire frame, translucent images only, offered by certain technologies
- 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 reate motion and real-time interactivity
- Proper brightness, good visibility under normal lighting conditions

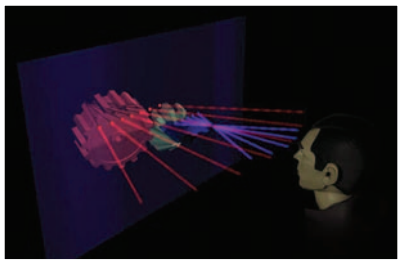


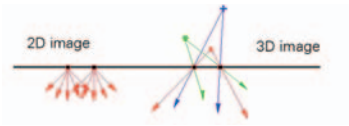
HOLOGRAFIKA

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

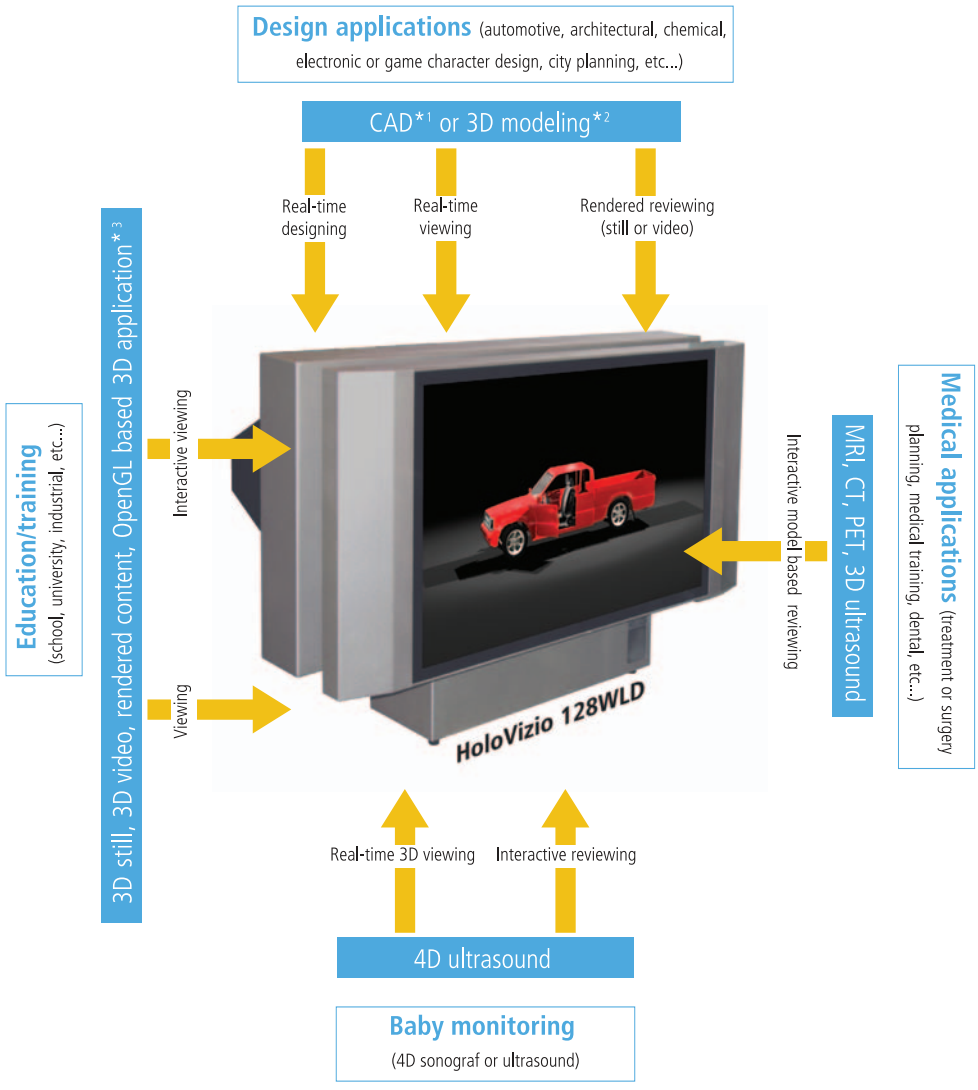
The 3D displaying technology that works

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 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.



Using HoloVizio 128WLD in scientific research

"We are using the HoloVizio 3D display on a daily basis, as an important component of our research infrastructure. Our conclusion has been that this device can be not only practical in medical and design applications, but it also lends itself to really innovative solutions. Combined with other instruments, this device can facilitate spatial visualization of human-artifact interaction processes, as well as air-borne sketching and shape generation. We are pleased to work with Holografika Limited on new functionalities for the next generation."

Prof. Dr. Imre Horváth
Delft University of Technology, the Netherlands

Product name
HoloVizio 128WLD
Aspect ratio
16:9
Screen size
32" (~792 mm) diagonal
410 mm x 670 mm
3D resolution
9.8 Mpixel
2D equivalent resolution from one angle
512 x 320 pixel
Input
4 x DVI-I or DVI-D monitor cable (single link)
Compatibility
PC & WorkStation
Viewing angle
50° horizontal
Colour
16 Million (24 bit RGB)
115% NTSC
Dimensions (W x H x D)
944 mm x 602 mm x 445 mm
Mass
55 kg
Nominal voltage
230 V @50 Hz, 115 V @60 Hz
Power consumption
600 W
3 pole power cable
Light source
LED array
Operating temperature
+5°C ... +40°C
Relative humidity
Max. 80% / 50%
Usage type
Indoor

*1 CAD software tested with HoloVizio systems: ArchiCAD, AutoCAD, Autodesk Inventor, Alias StudioTools, CATIA, CoCreate OneSpace, DesignCAD, Pro Engineer, Rhino, SolidWorks, Unigraphics

*2 Modeling software tested with HoloVizio systems: 3ds Max, Blender, Bryce, Cinema4D, LightWave 3D, Maya, Softimage XSI

*3 Other software: Shell 123DI, VMD

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