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The Public Debut of the World-First Glasses-Free 3D Cinema System

The HoloVizio 3D glasses-free cinema system, developed by Holografika in 2010, partly funded by the EU OSIRIS project, was first demonstrated at the [ICT 2010](#) all-European R&D Event in Brussels in September, then recently also presented at the [3D Stereo Media 2010](#) conference.

The C80 glasses-free 3D cinema system has a 3,2m x 1,8m reflective holographic screen to create stunning 3D images and videos that appear behind and in front of the screen, with an exceptional 1800 Cd/m² brightness. The 3D projection engine is based on LG Electronics' latest compact LED projection optical cores optimized for the purpose. The HoloVizio C80 is a front projection optical arrangement that can fit various cinema rooms and easy to upscale. The 60 Megapixel system is controlled by Holografika's Cinema PC Cluster. The content shown at the ICT event included CG 3D images, videos and interactive 3D applications.

Holografika is working to provide both camera-recorded and 3D/3D converted wide base-line Light Field content for future glasses-free 3D cinema in the framework of various EU projects.

The system can be also applied with different interactive 3D applications in edutainment, location based entertainment, virtual reality systems and sport simulators, e.g. screen golf , etc.

According to Tibor Balogh, CEO: "We were amazed on the viewers excitement of the 3D cinema, the visually striking effect of the largest glasses-free 3D image ever seen. As for the home platform, the advent of glasses-free 3D television and home theaters are foreseen, this will set the course for the future cinema technology."

See (2D) [video](#) illustrating the system.

About Holografika:

Holografika Ltd. is a Hungarian 3D display company developing proprietary holographic technologies and HoloVizio™ 3D displays. Holografika offers a high-end solution for the glasses-free, true 3D visualization. The patented light field technology provides a natural 3D view in a wide FOV with a continuous horizontal motion parallax unlike other 3D visualisation solutions. It can also serve as a basis for future 3D television, free of eye-fatigue or headaches, frequently encountered while watching other 3D technologies.

The company's current product line includes monitor-type 3D displays for professional markets such as medical, CAD, security and gaming. Large-scale 72" 3D displaying systems for collaborative applications in oil&gas exploration, telepresence, simulation, entertainment, like theme parks. The company also offers 45" kiosks for promotion, event rental and digital signage. The HoloVizio platform in development covers the range from the card-sized 3D mobile platform up to the glasses-free 3D cinema with several meters diagonal holoscreen. The company is also working on 3D camera systems and 3D light field format for end-to-end 3D systems.

Holografika was selected as Red Herring Top 100 Europe and WEF Technology Pioneer, the HoloVizio technology has got several awards from the EU and Hungary. Find out more: www.holografika.com



Holografika staff showing glasses-free 3D cinema at ICT 2010



ICT "glasses-free" audience watching HoloVizio 3D cinema