



2D displays, which have been almost exclusively used to this point, lose critical information in visualization. They convey no depth impression which normally arises with human spatial vision. 3D Global's screens and display systems make it possible to see objects in front of, in and behind the screen. This so-called autostereoscopic display can generate three-dimensional perception without the annoying addition of helmets or glasses.

Company Overview

- Company Name: 3D Global GmbH
- Foundation: 2017
- Headquarters: Lengfeld, Germany



- More than 25 years of engineering experience
- Vast patent portfolio with regards to auto-stereoscopic 3D (non-glasses 3D)
- Production 100% in Germany

3D Global & Fujitsu

- Exclusive cooperation and distribution agreement with FEEU
- 3D Global: product development, customization and fitting to products, production
- Fujitsu: sales and supply chain worldwide, technical customer support



Products and Services

- Best autostereoscopic 3D (=glasses-free 3D) displays in the market
- Customized 3D monitor development and production (from 4" to 100")
- Customized optical 3D filter development and production
- Optical bonding services for optical 3D filter elements
- Customized software development towards compatibility with glasses-free 3D technology

Deliverables

- Foil: Assembly to panel by customer
- Glass with 3D Foil
- Panel with lenticular structure
- Licensing model for high quantities
- Guideline to create 3D content
- "SHADER" to display 3D content

shaping tomorrow with you

Product Information

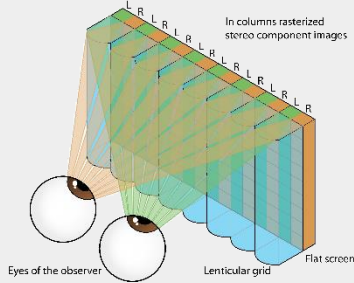


"Our market launch is coming just at the right time, as the demand for 3D display systems is growing worldwide," says Dr. Matthias Hohenstein, Managing Director of 3D Global. "The technology offers numerous application possibilities anywhere 3D representations are improving information collection. This could be the case in automotive and medical display technologies, industrial environments, as well as in the film and gaming industry or even in fitness equipment."

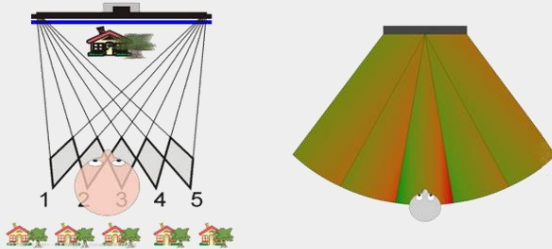


Auto-Stereoscopic 3D

- 3D vision without glasses (or other gear)
- Each eye sees different images on the same screen
- Lenticular lenses structure can be customized for EVERY LCD screen

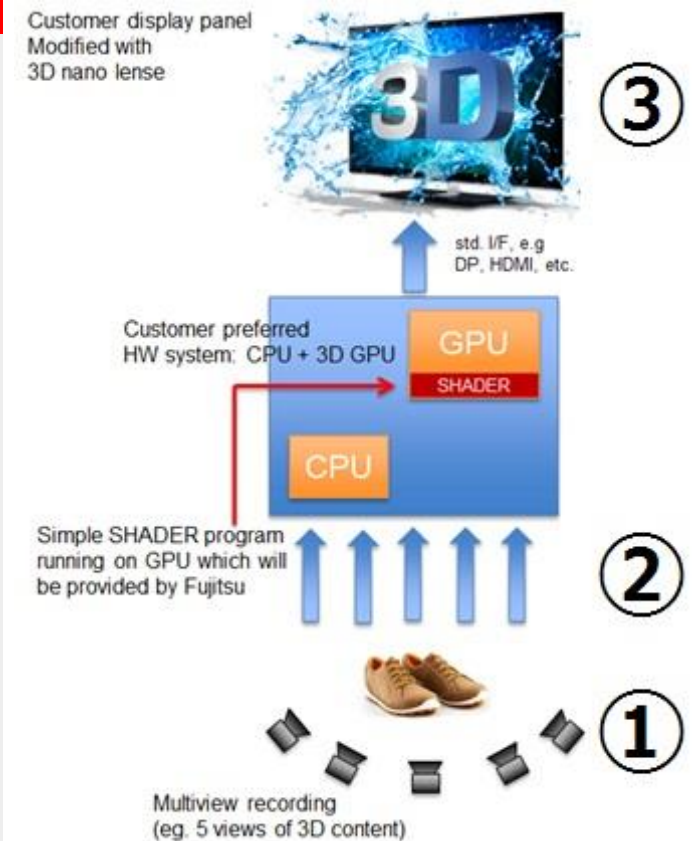


- Unlike in the cinema, more than 2 "views" are possible.
- Move left and right supported to see from different angles.



Characteristic

- Improved algorithm compared to "van Berkel"
- Reducing errors by precise integer lens-to-subpixel ratio
- 3x higher number of "real" intermediate views for smooth movement
- Better depth perception by combining lenticular lenses + barrier



Software

- Support to create 3D screen content
- Software to render 3D movies
- Software to play 3D movies

Contact

Fujitsu Electronics Europe GmbH - Robert-Bosch-Str. 11, - 63225 Langen, Germany
 Telephone: +49 6103 690-0 - E-Mail: 3d.feeu@de.fujitsu.com - Website: <http://www.fujitsu.com/feeu>
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