



SeeCubic

ELEVATING AUTOMOTIVE DISPLAYS

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Technology Overview

SeeCubic's technology is an end-to-end system, supplied as a component to our electronics brand partners, that displays content in incredibly rich and natural depth on any SeeCube-enabled flat panel display. It consists of a set of integrated hardware components incorporated into the display device, and proprietary software that produces the effect.

The 3D effect is achieved through an optical stack that, combined with the software, creates a continuous light field, which allows for a far greater range of depth, much higher level of detail, and completely continuous images across the screen's width and height. This not only produces the most realistic effect, but also allows for all normal viewing angles, and an unlimited number of simultaneous viewers.

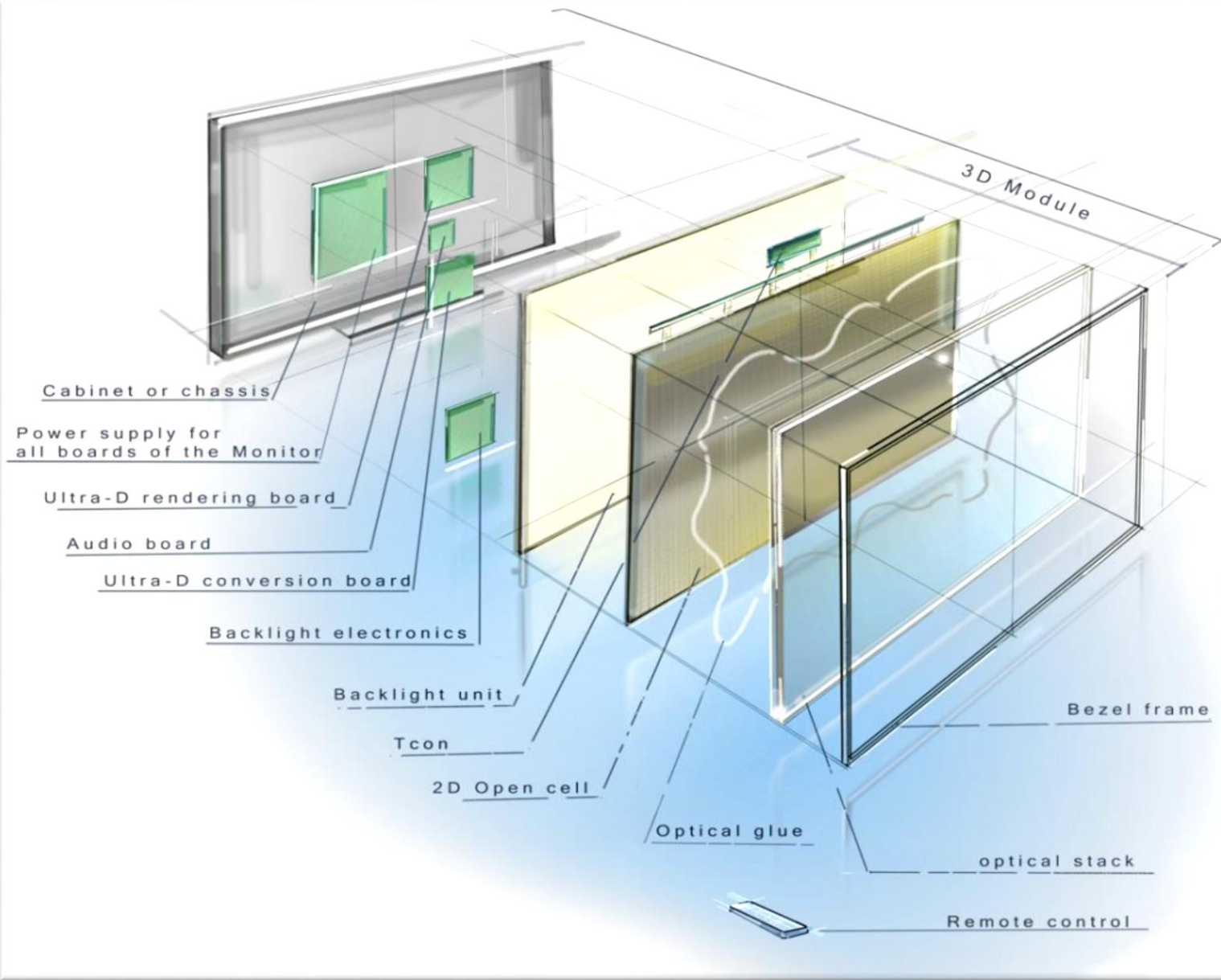
We consider SeeCubic to be the ultimate realization of the original promise of the three-dimensional immersive viewing experience.



Toyota Dealership – Champs-Élysées – Paris, France

Technology Overview

Hardware



The Company's hardware component is a multi-layered optical stack, designed specifically for each panel model.

- Our technology supports all existing panel types – LCD, OLED, MicroLED, etc.
- Our technology supports all existing panel / cover glass features – scratch resistant, touchscreen, etc.

Technology Overview

Software



The software component of our technology is composed of integrated circuits running two algorithms:

A rendering engine, which instructs the panel subpixels to display the image in a very specific way that produces the final 3D effect, based on the detailed “depth map” integral to our proprietary 3D video format.

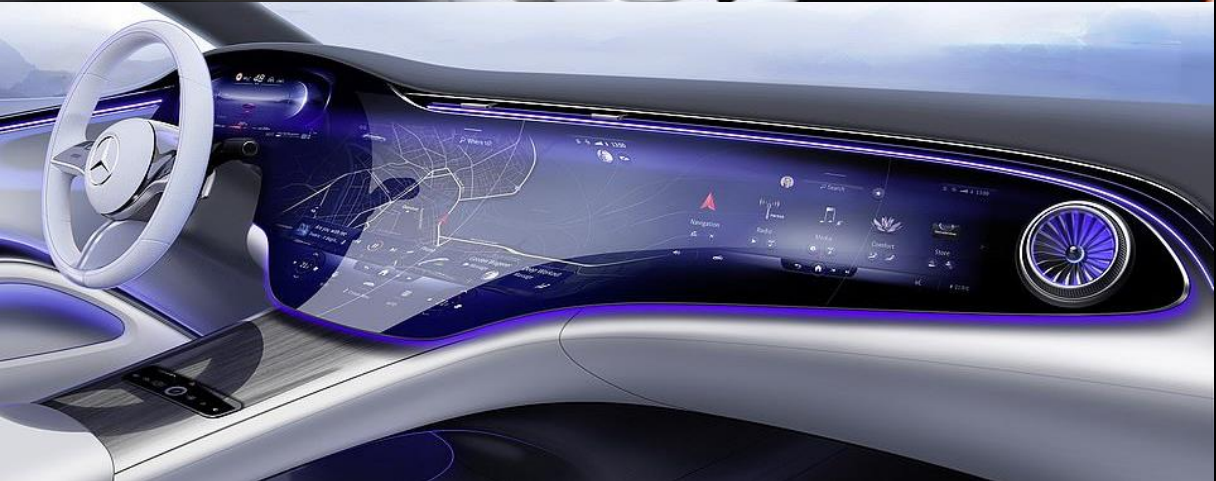
A real-time conversion algorithm, that intelligently generates depth data for any standard 2D content in real time. This allows any SeeCube-enabled device to convert all different types of regular 2D content into our proprietary 3D format for instant viewing.

Automotive SCI Drivers

- Passive 3D Technology
- Wide viewing angle, 4K Display
- High contrast, elevated resolution & color depth
- Fully adjustable 3D effect
- Fully flexible in HMI design
- Wide range of entertainment uses
 - Instrument Cluster
 - Central Information Displays
 - Rear passenger entertainment
- Minimal additional power consumption

Self-Driving





Enhanced Screen Technology

ICD – Instrument Cluster Display

CID – Central Information Display

RES – Rear Entertainment System

Full cockpit width displays (single & multiple)

- Commonplace in luxury vehicles
- Migrating from multiple to single panel displays
- Combine ICD, CID and RES controls

Rear & Side View Mirror upgrades

- Small HD camera systems that feed to ICD or CID
- Stringent safety standards
- Real-time feed with minimal lag

For further information on all Automotive display opportunities, please contact us on:

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