

FACTSHEET
360° WRAP-AROUND VIEW SYSTEM
FOR AUTOMOTIVE APPLICATIONS

The World's first 360° Wrap-around View System for automotive applications

Improves driver visibility using 4-cameras

Description

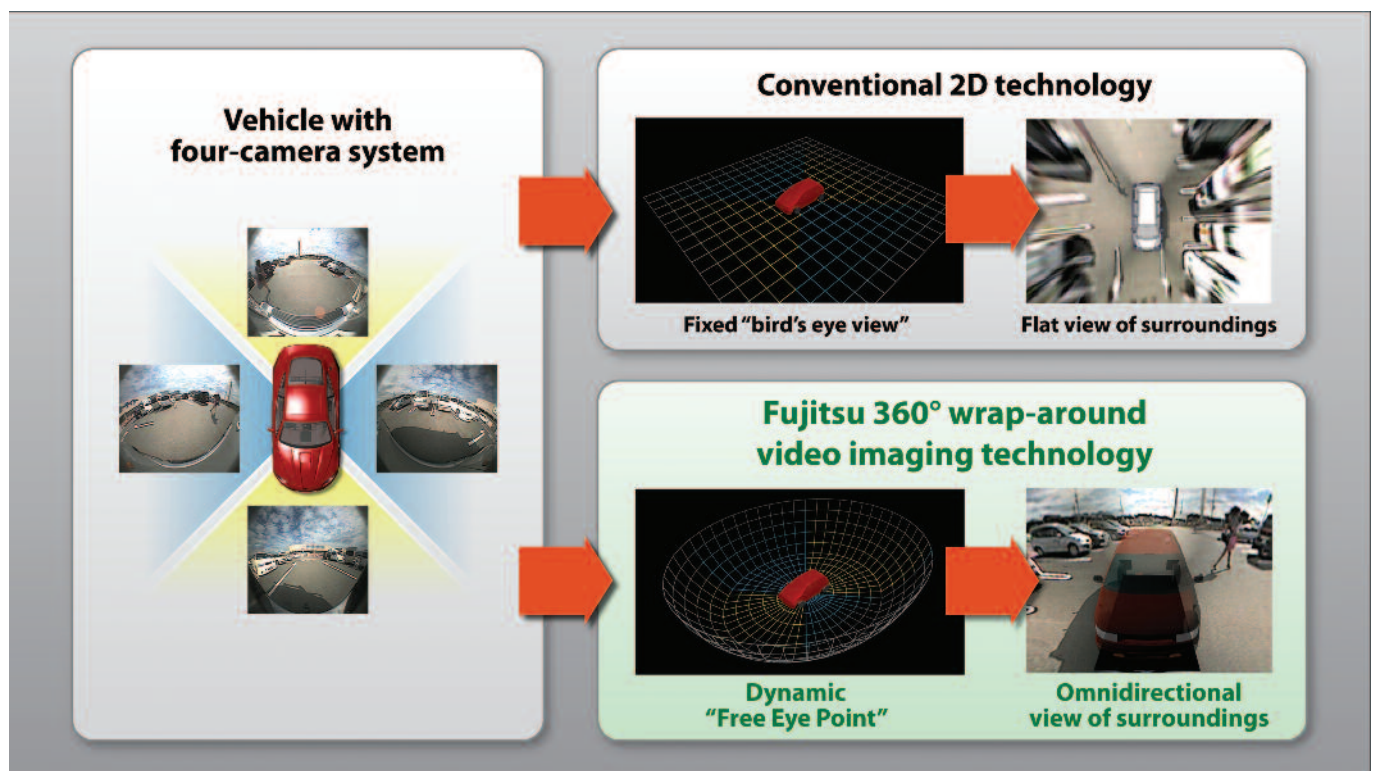
The 360° Wrap-around View System technology builds a composite 3D model from cameras mounted on a vehicle that record images from four directions. Commercial systems already exist that combine the images of four cameras for helping drivers to improve their visibility. However, existing technologies can only create 2D composites, and as a result are limited to displaying only the top view. By building a composite 3D model using input from four cameras, the 360°

Wrap-around View System technology allows users to observe a bird's eye view of the vehicle that can be freely controlled to display all angles.

In addition, Fujitsu offers a chip device containing a 3D engine and graphics controller, which serves as a development platform for the monitoring system, as well as a software development kit. The company actively supports the development of applications for the Wrap-around View System for automotive applications.

Features

- The driver's point-of-view can be freely repositioned, providing full visibility in any driving scenario
- The system seamlessly displays wide-angled, 360° video around the vehicle
- Providing a system development kit with an optimised chip and basic software, which minimises the development effort



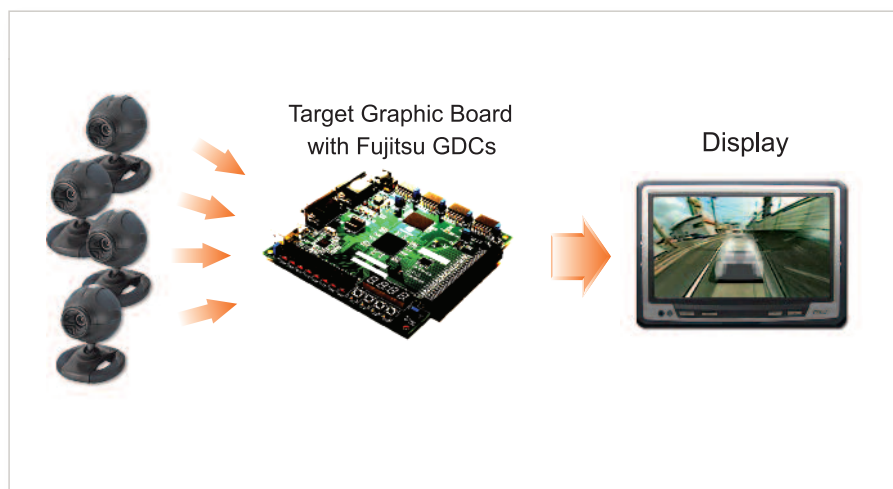
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Development environment for the 360° Wrap-around View System for automotive applications

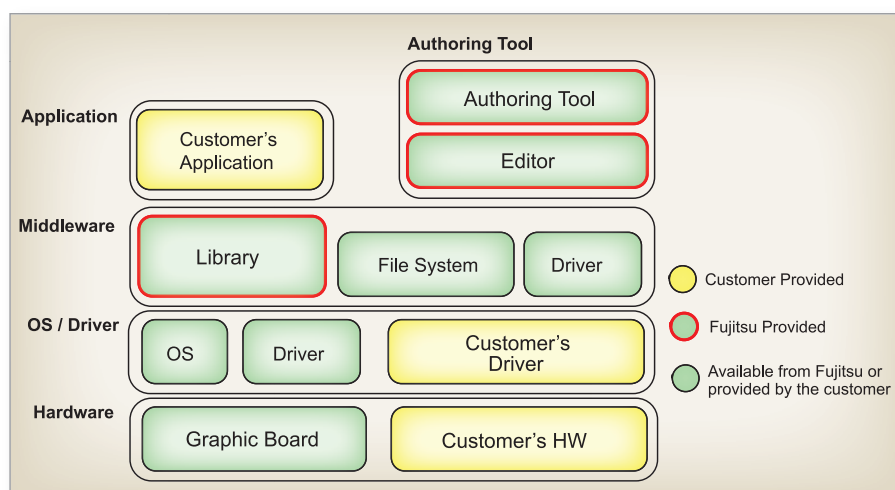
Development platform

Customers can evaluate the technology using a prototype system that employs Fujitsu graphics controllers and the necessary camera peripherals.



Support software

Through authoring tools that help customers to produce 3D video of a vehicle's periphery, and middleware that enables the control and display of 3D peripheral images, Fujitsu supports the development of applications for the 360° Wrap-around View System.



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