

Around View Monitor

In the area of safety technology, Nissan pursues innovation as part of its "Safety Shield" concept, an advanced, proactive approach to safety issues based on the idea that cars should help protect people.

Using 4 separate cameras, the monitor displays an image of the vehicle from above. This helps the driver to visually confirm the vehicle's relation to the lines around the parking space. With this, the driver can position the vehicle for parallel parking or park the car in a smart way with ease.



SAFETY SHIELD

Features

The system has been designed to be easy-to-see, easy-to-use, and easy-to-understand.

Easy-to-understand

The birds-eye view makes it easy for the driver to position the vehicle for parallel parking. The front/rear view enables the driver to simultaneously confirm the front or rear of the vehicle.

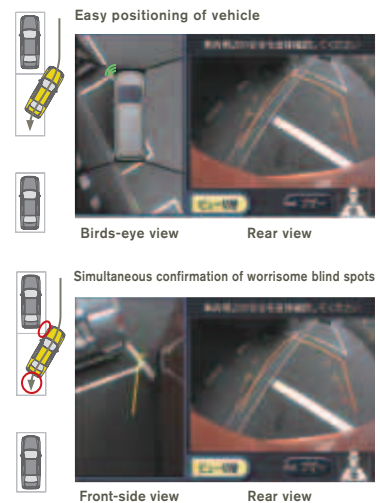
Information of the sonars, equipped on the vehicle corners for camera assistance, are shown on the display in an easy-to-understand way.

Easy-to-use

By displaying the rear view and front-side view simultaneously, the driver can easily confirm the two most worrisome areas; the rear and front assist side of the vehicle.

Easy-to-see

The super-wide angle/high resolution camera creates a clear image after conversion to show the virtual image.



System Configuration

The system converts image data taken by 4 super-wide angle cameras, to display a virtual image of the vehicle from above.

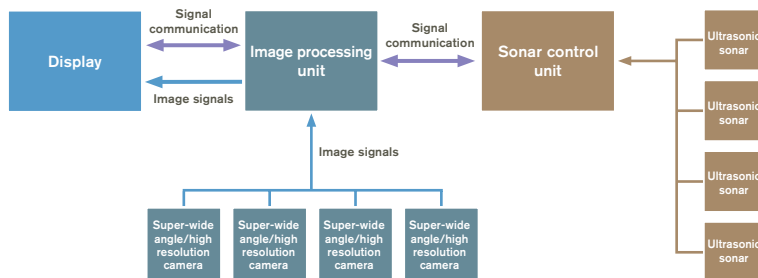
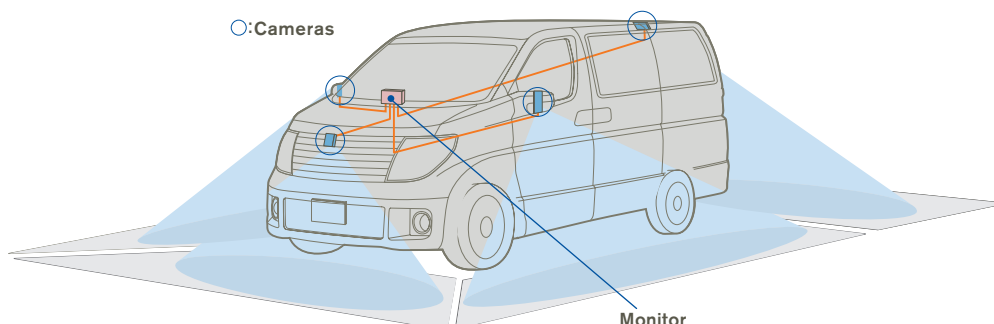


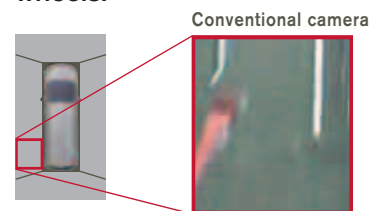
Image conversion to show virtual angle

Camera footage is converted to show image from a virtual angle



Benefits of high resolution camera

Image degradation due to conversion is controlled, and there is a significant difference in image definition when showing area around rear wheels.



The ditch can not be recognized and the pole appears blurry

High-resolution camera
(4x resolution of the conventional camera)



The ditch and pole are clearly shown

NISSAN MOTOR CO., LTD.

17-1, Ginza 6-chome, Chuo-ku, Tokyo 104-8023, Japan
www.nissan-global.com/EN/