Panasonic AUTOMOTIVE



Millimeter Wave Connectivity for Sensor Sharing at Intersection - Toward 5G

Drive with Confidence

Features:

Foresight

- Predictive analysis at and beyond the intersection

Robustness

Unaffected by low-visibility conditions

Awareness

- Erasing blind spots and obstructions

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Advantages:

60 GHz Communication:



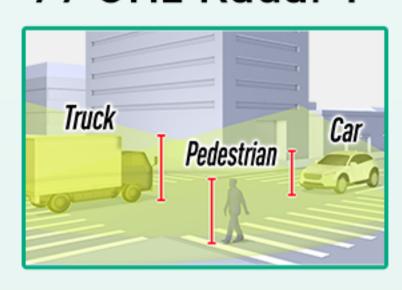
Wide bandwidth at 60 GHz

- ■10 Gbps and beyond
- Unlicensed band worldwide

Beam control through IEEE802.11p / C-V2X

Support for mobility up to 100 km/h

79 GHz Radar:



High resolution using 79 GHz

Distinguish between vehicle and pedestrian

3D enhanced with MIMO

Classification of object based on height detection

This work is part of the R&D initiative on "Infrastructure Radar Systems" commissioned by the Ministry of Internal Affairs and Communications (MIC) as "Next-generation ITS utilizing ICT" for the Cross-ministerial Strategic Innovation Promotion Program (SIP).