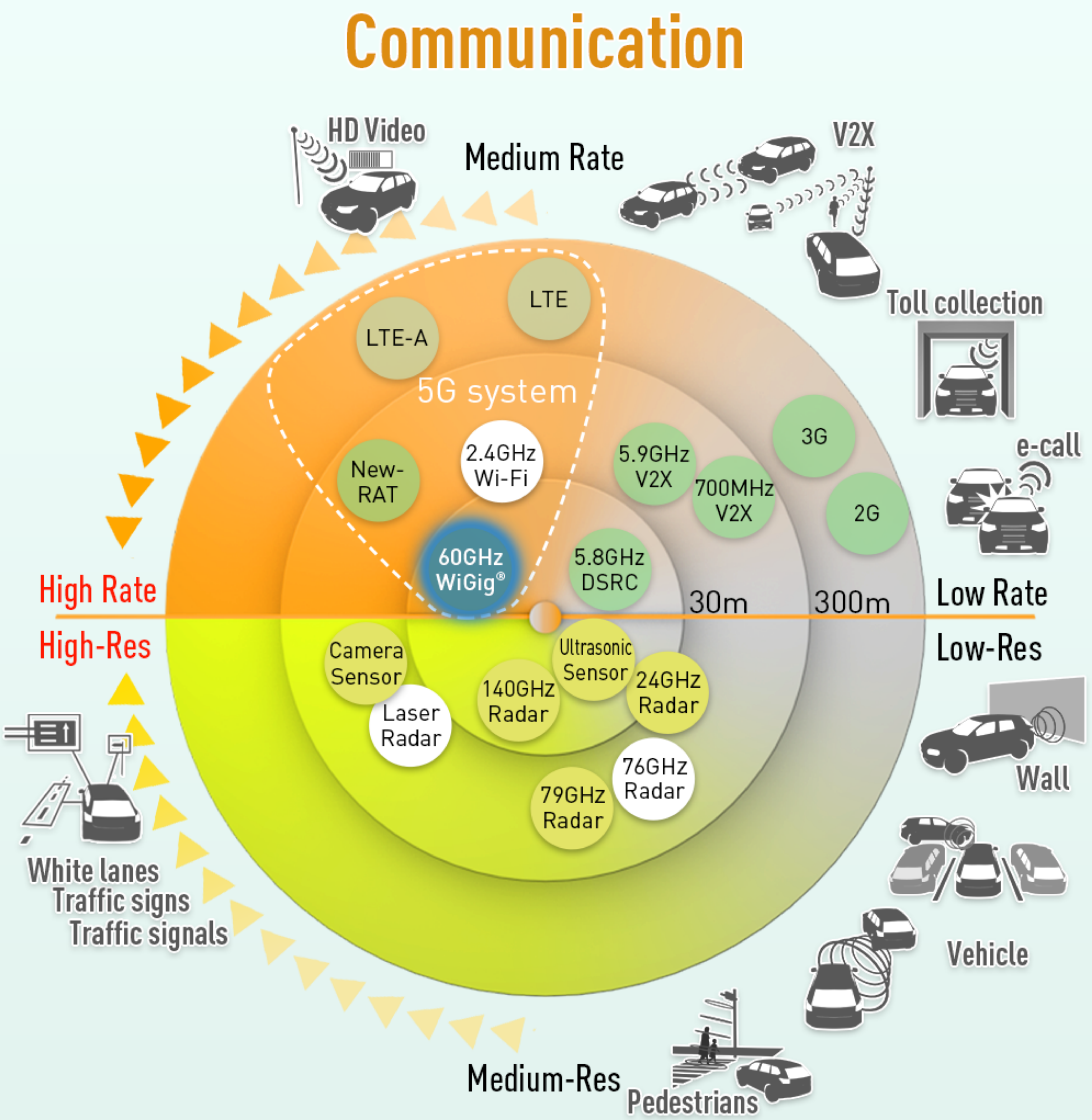
60GHz Communication Technology

Enabling advanced features and enhanced safety for ITS through high performance wireless communications

Panasonic AUTOMOTIVE

60GHz Communication Technology

Wireless Technology Overview



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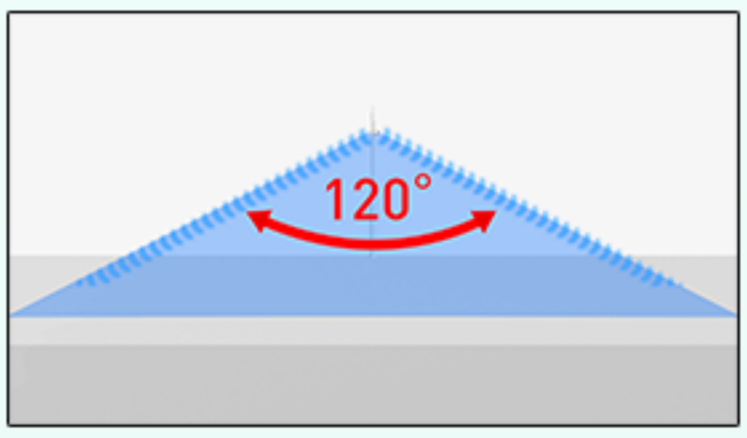
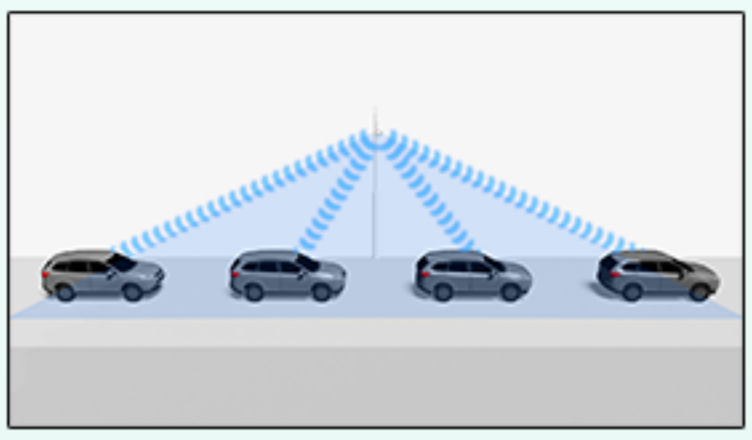
* Panasonic's target currently in development

Technical Advantage

Extremely high throughput
- 1600Mbps (up to 3000Mbps*)

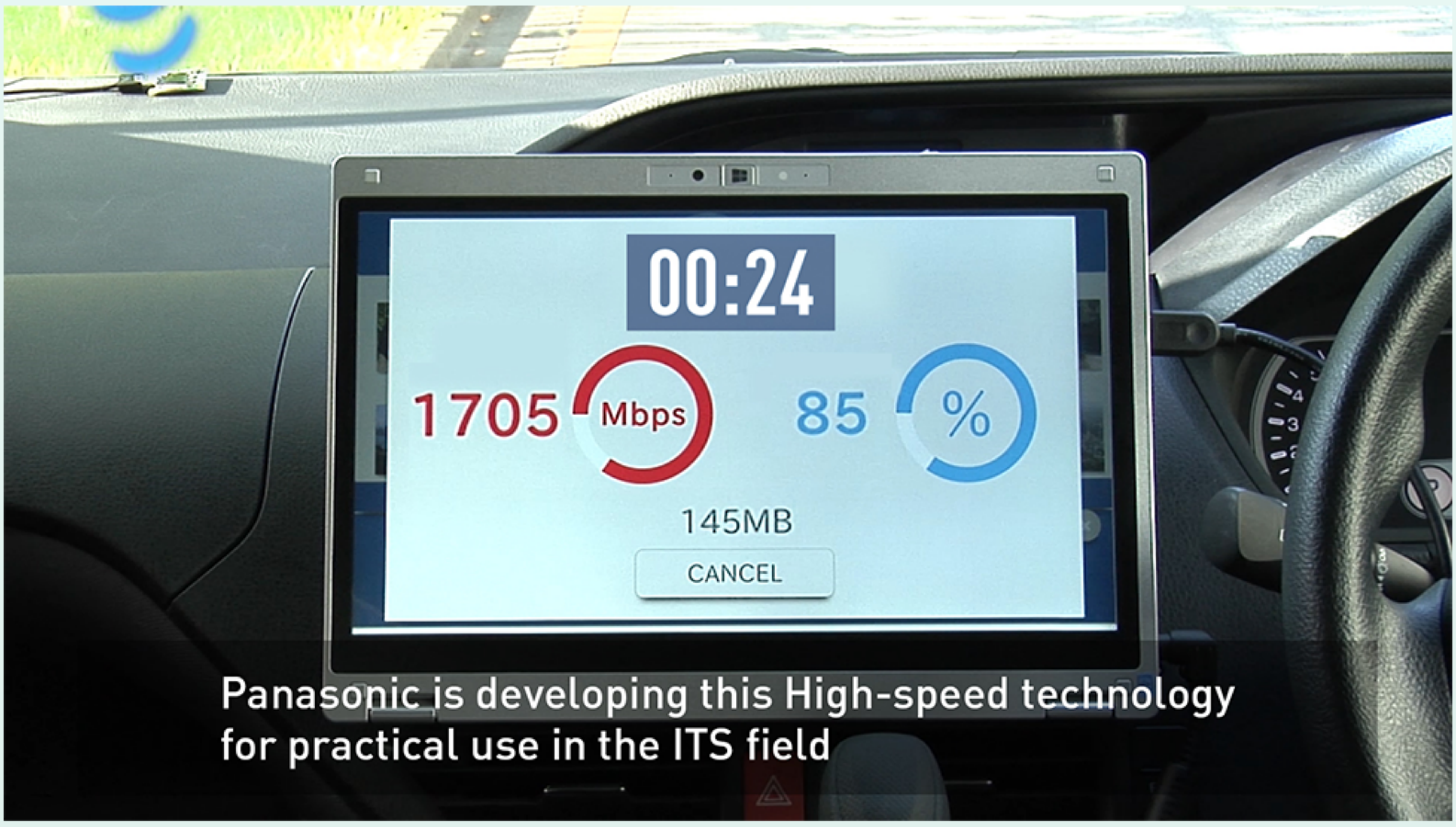


Wide beam coverage of 120 degrees
- 10m range (up to 100m*)



Simultaneous communication
- Up to 12 links (multiplied by number of base stations*)

Widely interoperable
- Based on the IEEE802.11ad standard



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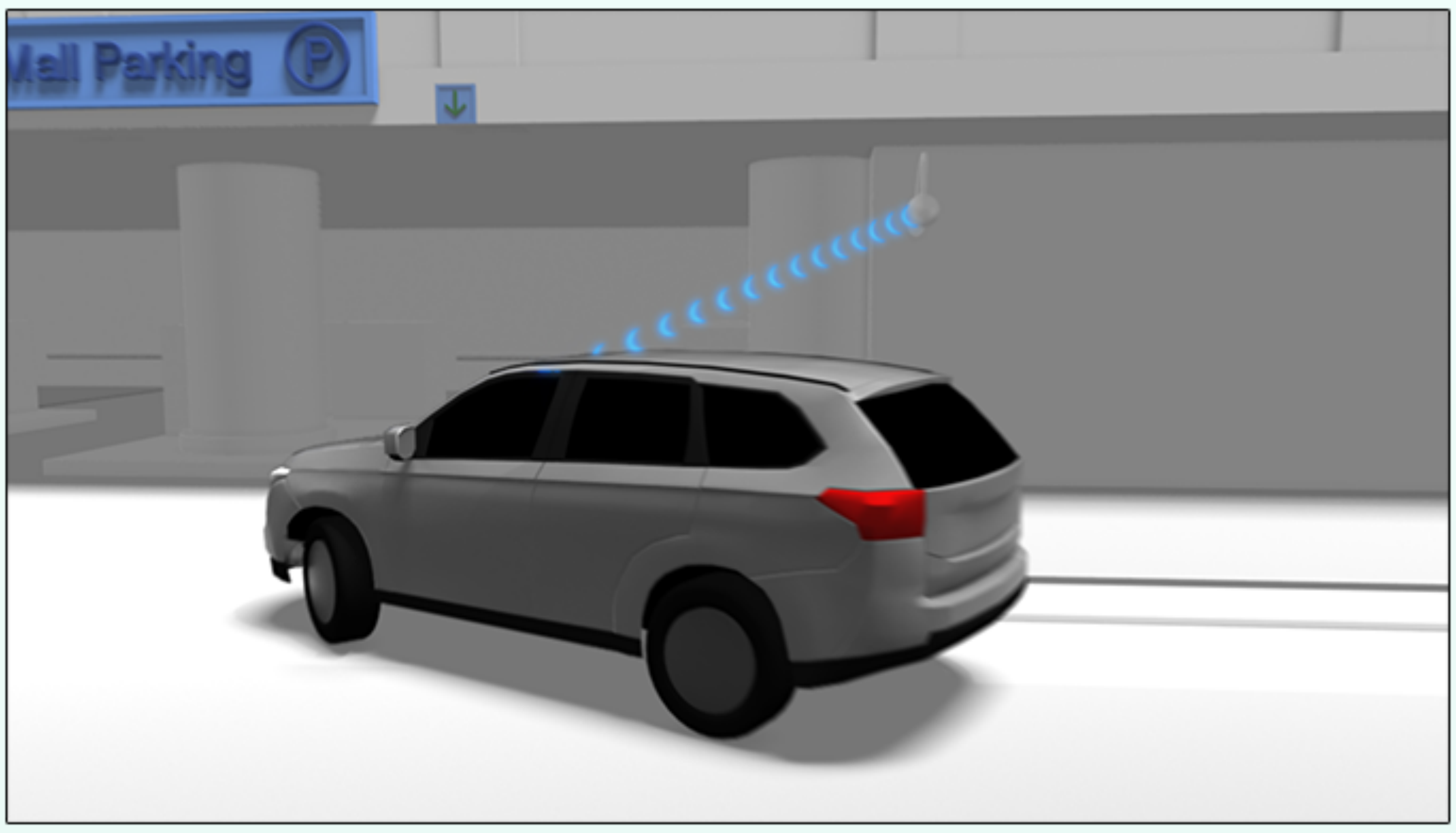
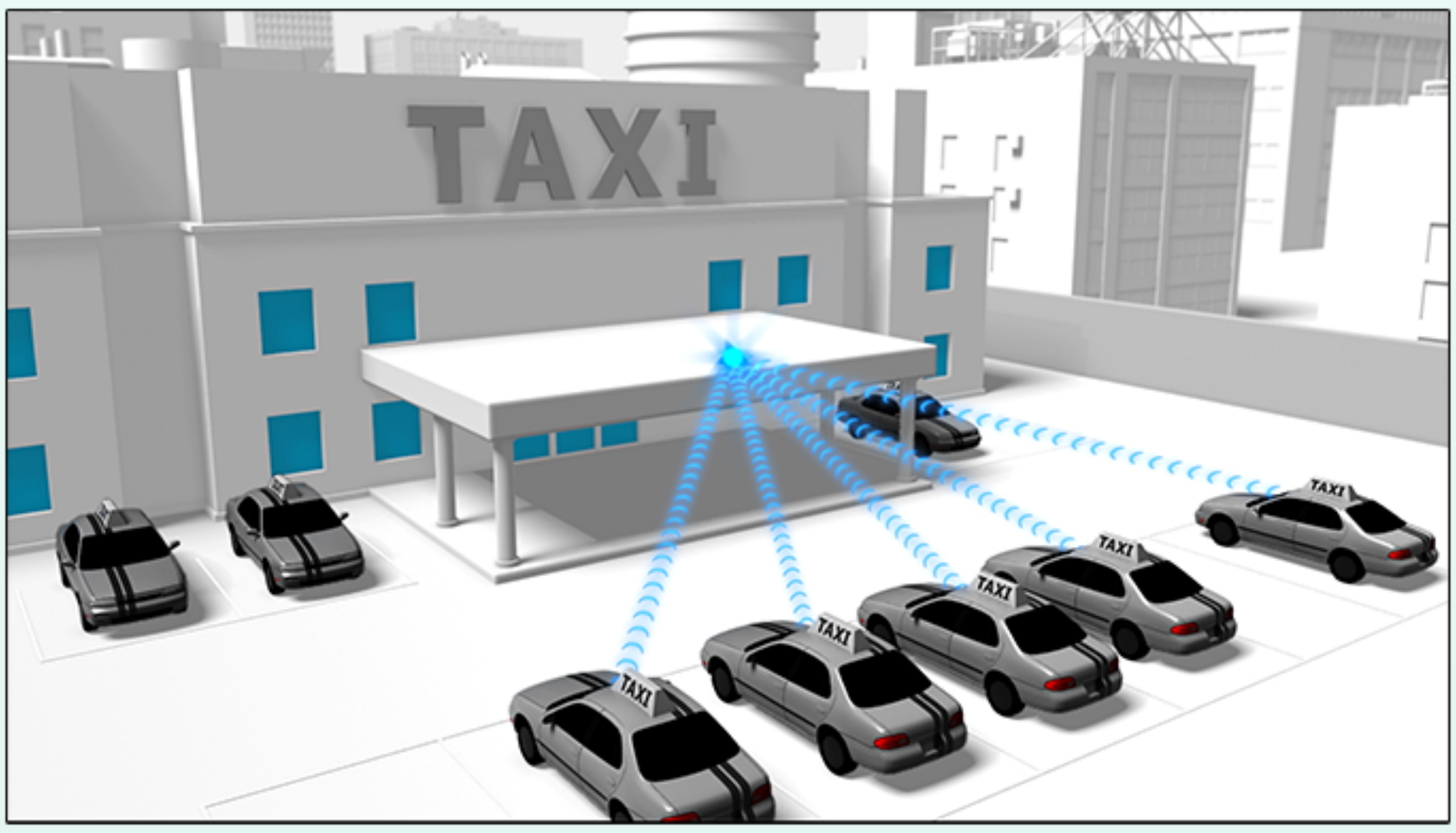
Application

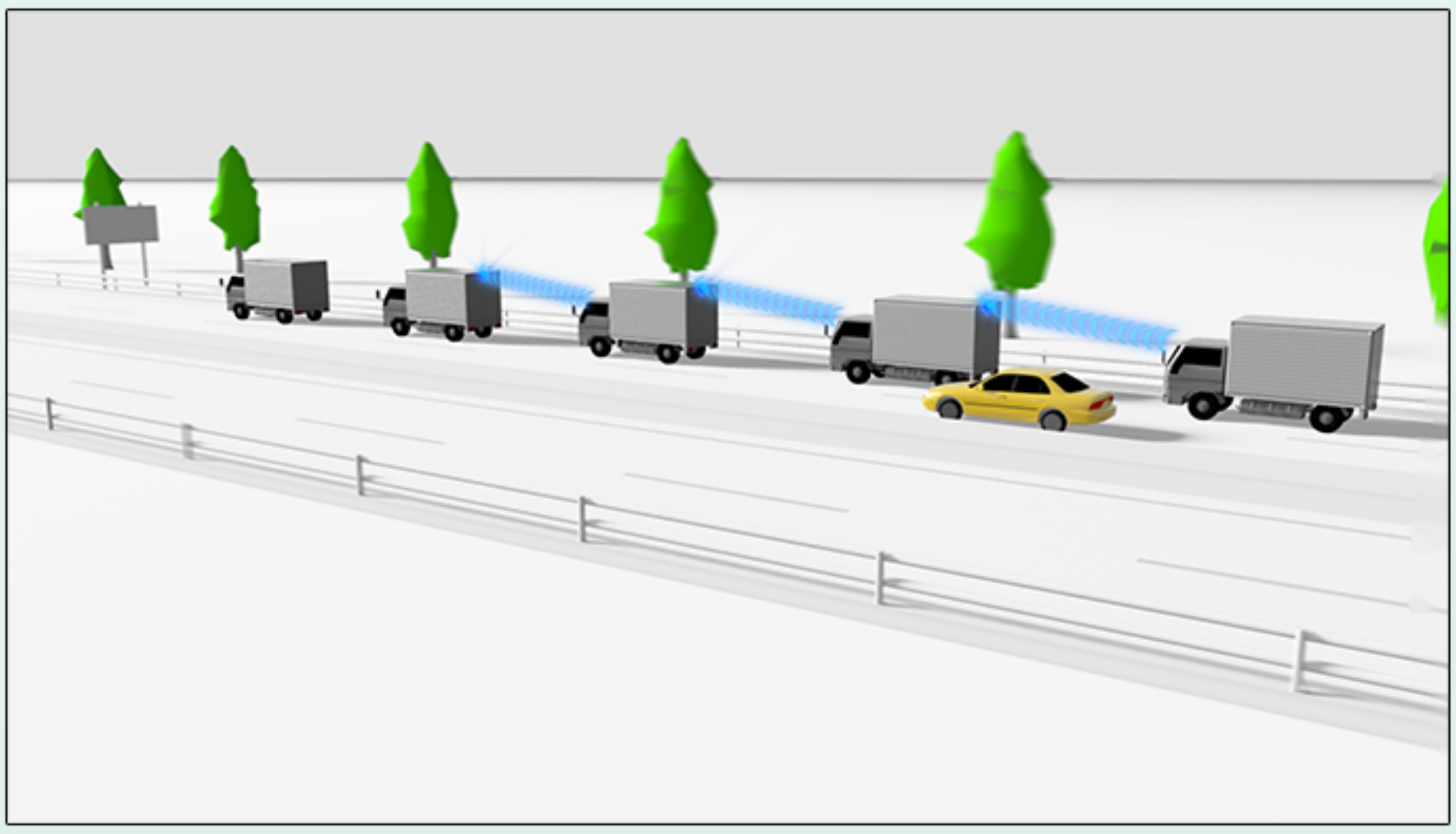
- **Navigation** (High resolution 3D map download)



- **Safety** (Simultaneous high-speed uploads of drive recordings)



- **Autonomous** (Low latency streaming of uncompressed road video)



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