TOYOTA

Vehicle-Infrastructure Cooperative Service in practical use

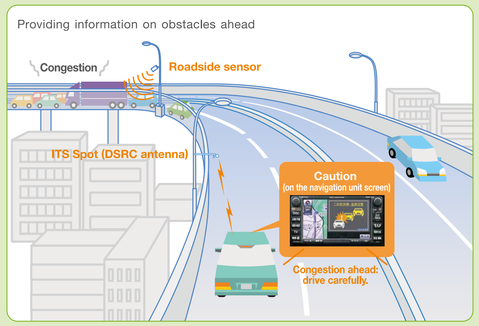
ITS spot services (DSRC) Dedicated Short Range Communication

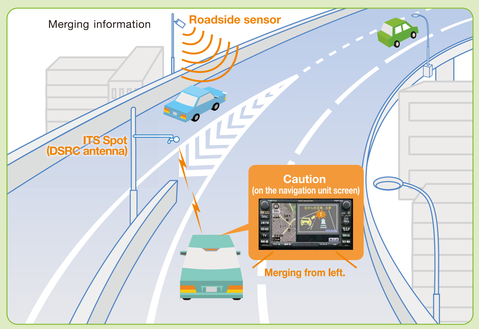
Media Radio wave-5.8GHz DSRC

Roads available Motorways primarily

Characteristics
- Uses the existing communication standard (ETC and VICS).
- Roadside-Vehicle communication
- Short-range communication service
- Services of traffic information or safe driving support are primarily implemented, and environmental service applications partially.

Start of service October 2009





ITS スポット

Logo of ITS spot services

TOYOTA on-board unit

DSSS (Driving Safety Support Systems)

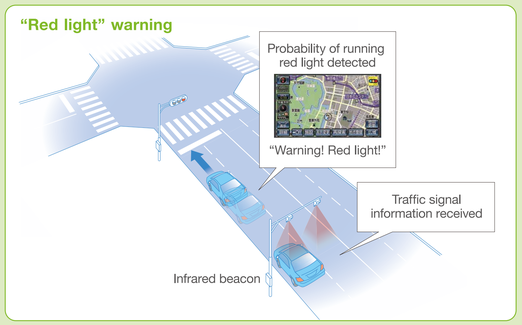
Media Near-infrared

Roads available Intersections and local streets primarily

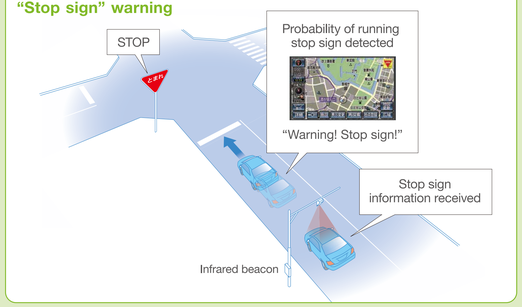
Characteristics
- Uses the existing communication standard (VICS).
- Roadside-Vehicle communications
- Short-range communication service
- Services of safe driving support are primarily implemented, and environmental service applications partially.

Start of service July 2011

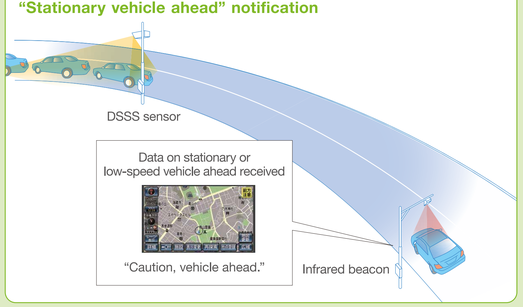
"Red light" warning



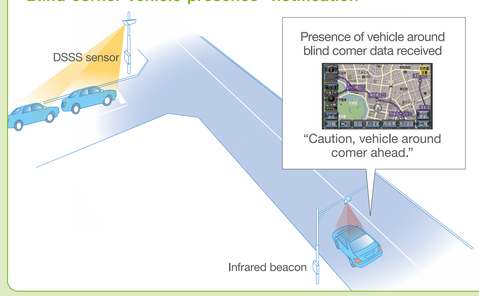
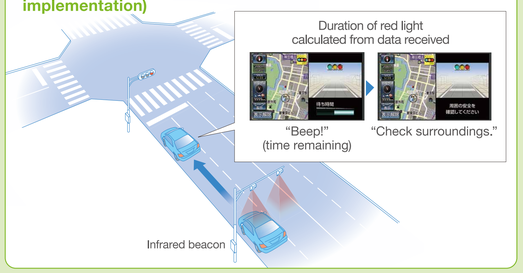
"Stop sign" warning



"Stationary vehicle ahead" notification



"Blind corner vehicle presence" notification



"Green light" advance notification (Reduces traffic congestion and emissions; first real-world implementation)