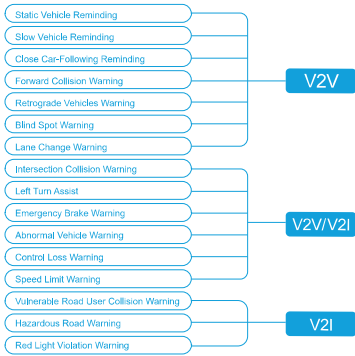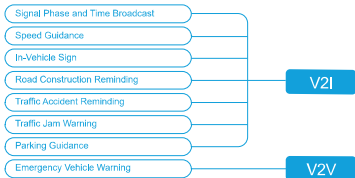## APPLICATION SYSTEM:

VanJee Technology has successfully developed a comprehensive V2X application system by integrating V2X features and market demand on intelligent transportation. The system has integrated more than 30 applications for active safety, traffic efficiency and information service. VanJee Technology relies on sophisticated technical solutions and innovative application system to gain trust from automobile manufacturers and demonstration areas.

Active Safety

- Static Vehicle Reminding
- Slow Vehicle Reminding
- Close Car-Following Reminding
- Forward Collision Warning
- Retrograde Vehicles Warning
- Blind Spot Warning
- Lane Change Warning

V2V

- Intersection Collision Warning
- Left Turn Assist
- Emergency Brake Warning
- Abnormal Vehicle Warning
- Control Loss Warning
- Speed Limit Warning

V2V/V2I

- Vulnerable Road User Collision Warning
- Hazardous Road Warning
- Red Light Violation Warning

V2I

Traffic Efficiency

- Signal Phase and Time Broadcast
- Speed Guidance
- In-Vehicle Sign
- Road Construction Reminding
- Traffic Accident Reminding
- Traffic Jam Warning
- Parking Guidance

V2I

- Emergency Vehicle Warning

V2V

Information Service

- Vehicle Near-Field Payment
- Traffic Information Collecting
- High Precision Map Download
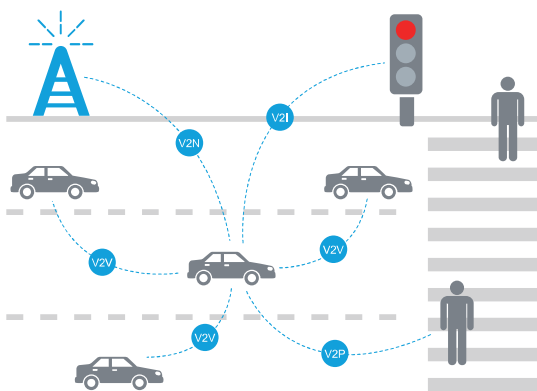
V2I

VANJEE
TECHNOLOGY

V2X
PRODUCTS

〉〉〉〉〉〉〉〉

VanJee Technology Has Great Achievements in V2X Industry

INTRODUCTION:

V2X is one of the most important parts of intelligent connected vehicle. V2X can make the vehicle interact with other vehicles, pedestrians, infrastructure and network in real time, so V2X can enhance driving safety, improve traffic efficiency, optimize driving experience. VanJee Technology developed V2X communication terminals based on the two major technologies which are DSRC and LTE-V. VanJee Technology has developed more than 30 applications including active safety, traffic efficiency and information service. As a result, VanJee Technology is confident to keep the leading position in the Chinese V2X industry.

DSRC OBU
WV2X-D923

DSRC RSU
WV2X-D912

Main Features:

- DSRC technology is based on 802.11p.
- Hardware solutions are mature and stable.
- External interfaces are abundant.
- Function modules are complete.
- Coverage range is up to 800m.
- Communication latency is less than 5ms.

DSRC OBU and RSU

Product Model	WV2X-D923	WV2X-D912
Physical Properties	Weight：0.68kg Size：160*140*42mm	Weight：1.3kg Size：270*195*80mm
Communication Mode	Dedicated Short Rang Communication is based on 802.11p WI-FI Protocol 802.11 b/g/n	
RF Parameter	Frequency Band：5.85~5.925GHz（Adjustable） Bandwidth：10/20MHz　Tx Power：23dBm（Max） Tx/Rx Channel：1 Tx 2 Rx　Receiver Sensitivity：-97dBm	
Operating Temperature	-40~85 °C	
Power Supply	DC 12V/24V	48V POE
External Interface	CAN/RS232/USB/SPI/Audio/ETH	ETH
Antenna Interface	TX/RX Channel：SMA RX Channel：SMA GPS/Beidou：SMA 4G LTE：SMA Wi-Fi：SMA	TX/RX Channel：N Female RX Channel：N Female GPS/Beidou：N Female
Others	—	Lightning Protection：4000V Protection Grade：IP65
Operating System	Linux 3.10.17	

LTE-V OBU
WV2X-L921

LTE-V RSU
WV2X-L911

Main Features:

- LTE-V technology is based on cellular mobile network
- Hardware solutions are in international leading position.
- External interfaces are abundant.
- Function modules are complete
- Coverage range is up to 1000m
- Communication latency is less than 20ms

LTE-V OBU and RSU

Product Model	WV2X-L921	WV2X-L911
Physical Properties	Weight：0.34kg Size：130×108×30mm	Weight：1.1kg Size：210*150*70mm
Communication Mode	Direct Communication is based on LTE-V PC5 WI-FI Protocol 802.11 b/g/n	
	Bluetooth 4.0 BLE	—
RF Parameter	Frequency Band：5.7~5.95GHz（Adjustable） Bandwidth：10MHz　Tx Power：23dBm（Max） Tx/Rx Channel：1 Tx 2 Rx　Receiver Sensitivity：-97dBm	
Operating Temperature	-40~85 °C	
Power Supply	DC 12V/24V	48V POE
External Interface	CAN/RS232/USB/SPI/Audio/ETH	ETH
Antenna Interface	TX/RX Channel：SMA RX Channel：SMA GPS/Beidou：SMA 4G LTE：SMA Wi-Fi：SMA	TX/RX Channel：N Female RX Channel：N Female GPS/Beidou：N Female
Others	—	Lightning Protection：4000V Protection Grade：IP65
Operating System	Linux 3.10.101	