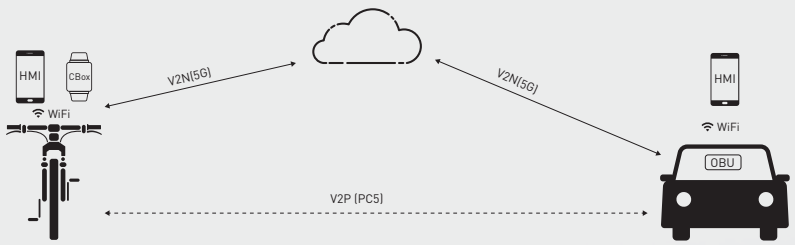
JOYNEXT nVision-V2X Solution for Vulnerable Road Users

Enable real-time information exchange among road users, effectively avoid dangers caused by blind spots and protect the vulnerable road users



Recorded Testdrives of "V2X for VRU" [fully operational] with Gen 1 and Gen 1.5

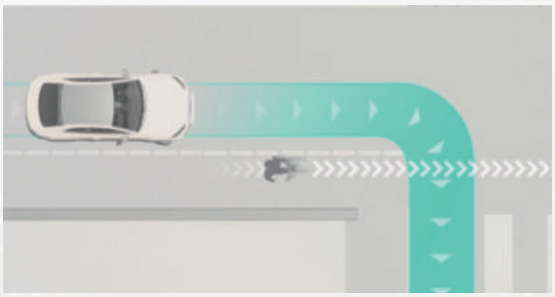
Feature Overview

- **VRU Collision Warning Function**

JOYNEXT's VRU collision warning function utilizes the V2N and V2P interfaces of 5G+C-V2X to send alert in advance to both vehicles and VRUs in real time.

01. RIGHT TURN BLIND ZONE ANTI-COLLISION SCENARIO

When the vehicle turns right, JOYNEXT V2X for VRU technology can warn of the potential dangers of the VRUs coming in the opposite direction and being blocked by the vehicle in front or the VRUs going in the same direction and entering in blind areas, effectively avoiding the occurrence of accidents



02. LEFT TURN BLIND ZONE ANTI-COLLISION SCENARIO

When the vehicle turns left, the line of sight is likely to be blocked by vehicles in the opposite lane. In this case, JOYNEXT V2X for VRU technology can allow VRUs to get the information of left-turning vehicles at intersections promptly, and recommend changing the route to avoid collisions

03. STREET CROSSING PROTECTION SCENARIO

When pedestrians are crossing the road, JOYNEXT V2X for VRU technology can inform the driver of the VRU's route in advance, which can help effectively ensure the travel safety of the VRU

04. REVERSING COLLISION PROTECTION SCENARIO

When the vehicle is reversing, it is not easy to detect the VRUs behind the vehicle. JOYNEXT V2X for VRU technology helps drivers and pedestrians obtain each other's action intentions in time through V2N or V2P, which can help effectively avoid collisions