



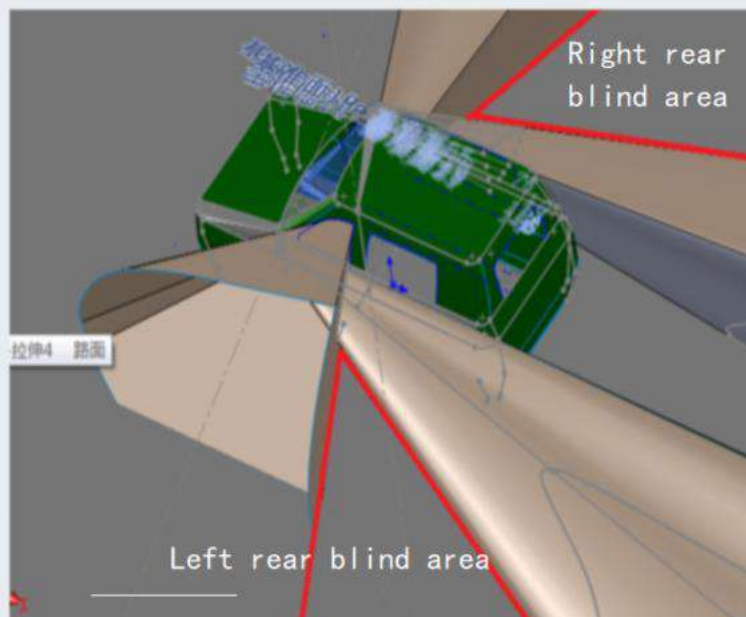
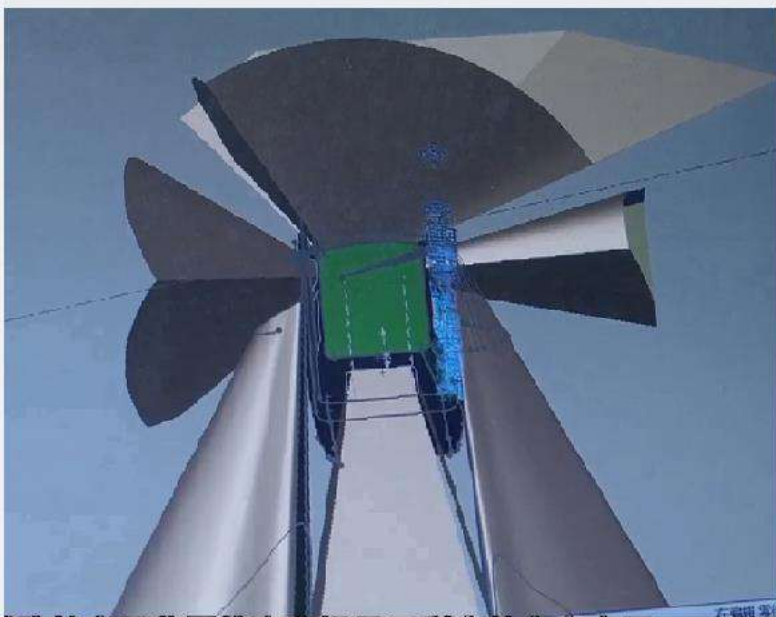
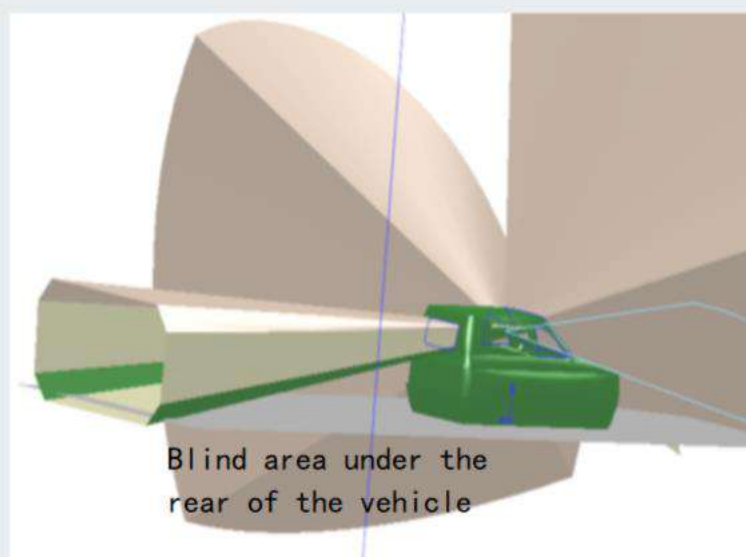
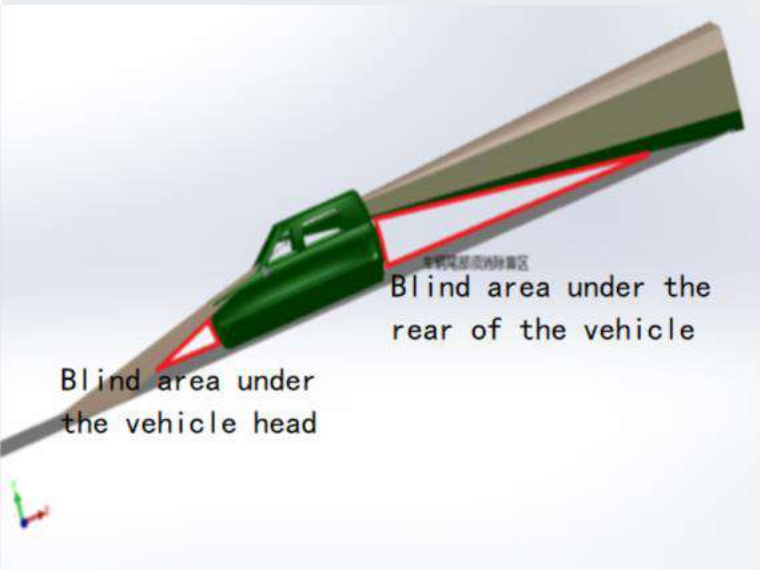
A system for eliminating car blind spots

Project leader: Liu Jun, Dong Tao



Main core technology of the product

1. Project description



1. Through 3D modeling technology, the driver's field of vision is materialized, and the remaining harmful blind areas are highlighted outside the existing eliminated blind areas, forming an intuitive analysis effect.

2. The key blind areas are divided according to the various moving states of the vehicle, such as forward, reverse and turn. According to the modeling and analysis results, the targeted equipment is added to automatically eliminate the blind areas in different moving states. Through repeated experiments, the main harmful blind areas on the test vehicle have been basically eliminated, and the potential safety hazards have been greatly reduced.



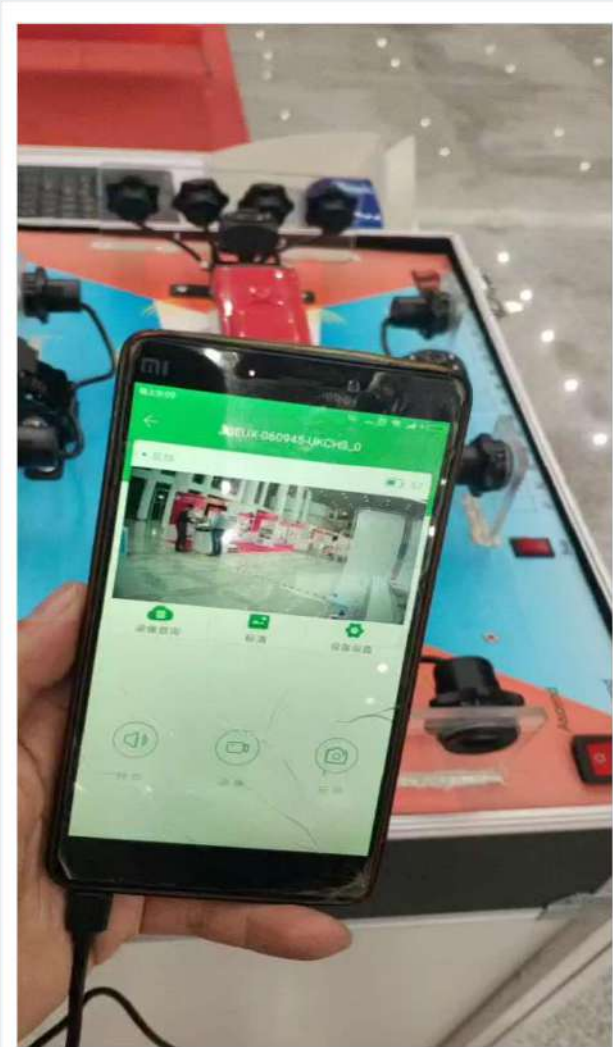
Product development process

2. Product introduction



Typical vehicle contour spot scanning

Trial production of typical products



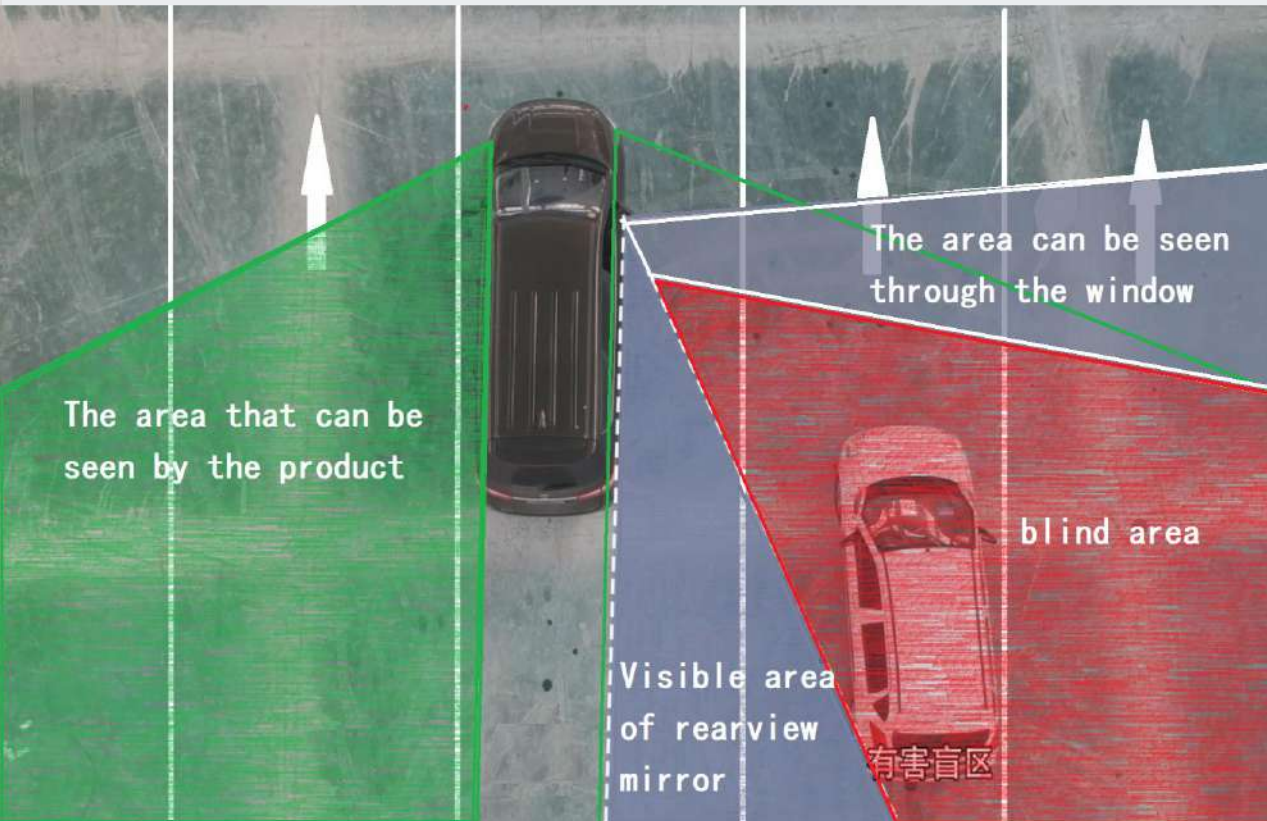
1. Wireless video transmission, connection of on-board display screen or mobile phone,
reducing line modification

2. Good compatibility with different vehicles



Performance advantages over competitive products

2. Product introduction



Visual field expansion effect of overhead view angle



Visual field expansion effect of head-up angle

3. The driving field of view relative to the rearview mirror is greatly expanded

Performance advantages over competitive products

2. Product introduction



Vehicle chassis protection effect



Vehicle passability monitoring function

4. Monitor obstacles in front of the vehicle to determine if they can pass and have the function of protecting the vehicle chassis



Awards

3. Project influence



In 2019, the project won the "Excellent Achievement Award" for technology research and development and application in national higher vocational colleges at the national joint meeting of principals of higher vocational colleges.

The signing of technical cooperation agreements with enterprises on the spot has attracted the attention of the leaders of the Ministry of Education.





4.Cooperative enterprises

Mercedes-Benz

Volkswagen Hadley

FAW-Volkswagen special service station

Guangdong Shunhe Electronic Technology Co., Ltd

Chongqing Tianyu Car Maintenance Co., Ltd

The R&D team has signed technical cooperation agreements with many units inside and outside the province



Education guidance and industrial service

5. Social services



Team members actively promote the project in entrepreneurship and work practice, and conduct training for enterprises to achieve good social benefits



It is very representative and exemplary to encourage overseas students to apply Chinese technology and products in combination with local conditions, serve the economic development of the country, and encourage innovation and entrepreneurship.

We will contribute to the "the Belt and Road" initiative and jointly build a community with a shared future for mankind.

非洲

