PROBLEM STATEMENT

Intelligent damage determination system can be used to determine the appearance damage of vehicles in small cases Intelligent damage assessment system can assist the damage locator in the front-end damage detection process. The operator only needs to take several photos to upload according to the requirements, and the system can automatically identify the damage degree of the damaged parts and components.

Accident investigation module includes the photography of certificates and vehicle photos, the intelligent recognition of certificate photos and the intelligent stereotyping work based on the basic information data of vehicle accessories.

For the photography of vehicle damage, it is necessary to shoot the vehicle damage head-on so that the damage location is as far as possible in the center of the picture. The shooting distance is about 1 meter, and it is suitable to shoot clearly. At the same time, it is not mandatory to satisfy what angle of shooting can be taken, which is easy to operate and makes it easier for the damage fixer or other users to use. the recognition of appearance parts by image, the recognition of damage parts by image, and the determination of damage parts by relative position relationship It realizes the fraud recognition in the whole process of damage determination and can effectively control the cost expenditure of insurance companies the complex environment of rain and snow, too strong light or dark, by using the self-built data set of vehicle appearance parts and the depth learning target detection algorithm. At the same time, it is not mandatory to satisfy what angle of shooting can be taken, which is easy to operate and makes it easier for the damage fixer or other users to use. In addition, the intellectualization of photography is also reflected in the following aspects: When taking photographs, it automatically identifies whether it is a document photo, a person-car photo, etc