a display unit of the vehicle computer and generating an alert message, the volume threshold value is smaller than 400 cubic centimeters.

[0015] According to an embodiment of the present invention, in the step of when the relative distance is smaller than a distance threshold value and the obstacle volume is greater than a volume threshold value, the vehicle computer labeling a real obstacle on a display unit of the vehicle computer and generating an alert message, the distance threshold value is smaller than 200 meters.

BRIEF DESCRIPTION OF DRAWINGS

[0016] Fig. 1A shows the steps of the method of alerting to stationary objects according to an embodiment of the present invention;

[0017] Fig. 1B shows the step of judging an invalid obstacle according to an embodiment of the present invention;

[0018] Fig. 2A shows a schematic diagram of image extraction in the method of alerting to stationary objects according to an embodiment of the present invention;

[0019] Fig. 2B shows a schematic diagram of image processing in the method of alerting to stationary objects according to an embodiment of the present invention;

[0020] Fig. 2C shows a schematic diagram of selecting obstacles in the method of alerting to stationary objects according to an embodiment of the present invention; and

[0021] Fig. 2D shows a schematic diagram of real obstacle alert in the method of alerting to stationary objects according to an embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0022] In order to make the structure and characteristics as well as the effectiveness of the present invention to be further understood and recognized, the detailed description of the present invention is provided as follows along with embodiments and accompanying figures.

[0023] The detection methods according to the prior art are mostly applied to crossroads, adjacent lanes, and parking scenarios; they are limited to detecting mobile objects relative to the vehicle, instead of stationary obstacles such as safety islands or stationary

[0108] Finally, please refer to Fig. 2D, which shows a schematic diagram of real obstacle alert in the method of alerting to stationary objects according to an embodiment of the present invention. As shown in the figure, in the step S40 of the present embodiment, when the relative distance 1221 of the first obstacle 1231A is smaller than a distance threshold value and the obstacle volume 1225 is greater than a volume threshold value, the vehicle computer 12 labels the first obstacle 1231A on a display image 1291 of a display unit 129 of the vehicle computer 12 and generates an alert message 1295.

[0109] In the step S40, please refer to Fig. 1B, which shows the step of judging an invalid obstacle according to an embodiment of the present invention. As shown in the figure, the step further includes the following steps:

[0110] Step S41: The vehicle classifies the real obstacle according to the obstacle volume; and

[0111] Step S43: When the obstacle volume is smaller than the volume threshold value, the vehicle computer judges the real obstacle an invalid obstacle.

[0112] In the steps S41 to S43, the vehicle computer 12 will classify the first obstacle 1231A. When the volume of the first obstacle 1231A is smaller than the volume threshold value, the vehicle computer 12 judges that the first obstacle 1231A an invalid obstacle. When the first obstacle 1231A is an invalid obstacle, the vehicle computer 12 will not list the first obstacle 1231A as the target to be noticed.

[0113] In the step 40, the alert message 1295 is a voice message or/and an image message. The distance threshold value is 200 meters. The speed threshold value is smaller than or equal to zero. The volume threshold value is 400 cubic centimeters.

[0114] For example, the alert message can be displaying the first obstacle 1231A on the display unit 129. Furthermore, an alarm sound can be included.

[0115] In other words, when the distance between the first obstacle 1231A and the vehicle 1 is smaller than 200 meters, the alert message 1295 will label the first obstacle 1231A on the display unit 129 of the vehicle computer 12.

[0116] If the distance is smaller than 100 meters, in addition to labeling the first obstacle 1231A on the display unit 129 of the vehicle computer 12, the alert message 1295 will