Claims

1. A visual interface display method, comprising:

determining that a target vehicle executes a driving task;

displaying a map within a preset range according to a real-time position of the target vehicle;

displaying an object model on the map which comprises displaying a first object model for a first object detected by the target vehicle, wherein the first object model is a solid model; and

displaying a second object model comprising at least point cloud data for a non-first object detected by the target vehicle, wherein the second object model is a hybrid model of a point cloud model and a solid model;

at least one of following manners is provided:

the non-first object is an object in which a classification result is other than the classification result corresponding to the first object, or the non-first object is an object without the classification result.

2. The method according to claim 1, further comprising:

displaying a vehicle model for the target vehicle on the map according to the real-time position of the target vehicle.

3. The method according to claim 1, wherein displaying the first object model for the first object detected by the target vehicle comprising:

acquiring environment information detected by the target vehicle when the driving task is executed;

recognizing a position and a type of the first object in the environment information;

acquiring the first object model matching the first object according to the type of the first object; and

displaying the first object model according to the position of the first object.

4. The method according to claim 1, wherein displaying the second object model comprising at least the point cloud data for the non-first object detected by the target vehicle comprising:

acquiring environment information detected by the target vehicle when the driving task is executed;

recognizing a position and a type of a second object in the environment information;

extracting point cloud data of the second object from the environment information; and

the second object model comprising at least the point cloud data is displayed according to the position of the second object.

5. The method according to any one of claims 1 to 4, further comprising:

displaying task progress information of the driving task executed by the target vehicle, wherein the task progress information comprises at least one of a progress bar, a driven distance, or a driven time.

6. The method according to any one of claims 1 to 4, further comprising at least one of:

displaying a driving route generated for the target vehicle on the map;

displaying traffic light information, wherein the traffic light information is used to indicate a state of a traffic light detected by the target vehicle; or

displaying navigation information generated for the target vehicle.

7. The method according to claim 6, further comprising:

highlighting the first object model when the first object model is on the driving route.

8. The method according to claim 6, wherein displaying the navigation information generated for the target vehicle comprises at least one of:

displaying a speed of the target vehicle when the target vehicle executes the driving task; or

displaying a distance from the target vehicle to a destination.

9. A visual interface display apparatus, comprising:

a driving task determination module configured to determine that a target vehicle executes a driving task;

a map display module configured to display a map within a preset range according to a real-time position of the target vehicle; and

an object model display module configured to display an object model on the map, wherein the object model display module is further configured to display a first object model for a first object detected by the target vehicle, wherein the first object model is a solid model; and display a second object model comprising at least point cloud data for a non-first object detected by the target vehicle, wherein the second object model is a hybrid model of a point cloud model and a solid model; at least one of following manners is provided:

the non-first object is an object in which a classification result is other than the classification result corresponding to the first object, or the non-first object is an object without the classification result.

10. An electronic device, comprising:

one or more processors, and

a memory configured to store one or more programs,

wherein when executing the one or more programs, the one or more processors perform the visual interface display method according to any one of claims 1 to 8.

11. A computer-readable storage medium storing a computer program, wherein when executing the computer program, a processor performs the visual interface display method according to any one of claims 1 to 8.