Claims

1. A scooter, comprising:

a scooter body;

a driving portion connected with the scooter body;

a wheel portion, at least part of the wheel portion being movably connected with the driving portion;

a photographing portion connected with the scooter body, so that an environment around the scooter body is photographed by the photographing portion; and

a control portion connected with the scooter body, the control portion being electrically connected with the photographing portion and the wheel portion, and the control portion controlling the driving portion through an image signal collected by the photographing portion, thereby driving the at least part of wheel portion to drive the scooter body to move and avoid an obstacle;

wherein the scooter body comprises: a sliding plate connected with the driving portion; and a scooter rod portion rotatably connected with the sliding plate, a first end of the scooter rod portion being connected with the driving portion, and a second end of the scooter rod portion being connected with the photographing portion; and

wherein either

(i) a mounting hole is formed on the second end of the scooter rod portion; the mounting hole is a through hole; at least part of photographing portion is located in the mounting hole; and the photographing portion is a dual-fisheye photographing device; or

(ii) the scooter rod portion comprises a third scooter rod; and a fourth scooter rod foldably disposed on the third scooter rod; one end, far away from the third scooter rod, of the fourth scooter rod is configured to mount the photographing portion; the photographing portion comprises a photographing body and a camera, wherein the photographing body is connected with the fourth scooter rod and the camera is connected with the photographing body, and the camera is a single-fisheye camera.

2. The scooter as claimed in claim 1, wherein when the photographing portion is a dual-fisheye photographing device, the photographing portion comprises:

a photographing body connected with the second end of the scooter rod portion;

a first camera connected with the photographing body, the first camera being electrically connected with the control portion and performing photographing work along a first direction; and

a second camera connected with the photographing body, the second camera and the first camera being disposed oppositely, and the second camera being electrically connected with the control portion and performing photographing work along a second direction.

3. The scooter as claimed in claim 2, wherein the scooter rod portion comprises:

a first scooter rod, a first end of the first scooter rod being connected with the sliding plate, a second end of the first scooter rod being provided with an opening, and the opening extending along a length direction of the first scooter rod to form an accommodation cavity; and

a second scooter rod, a first end of the second scooter rod being movably disposed in the accommodation cavity and a second end of the second scooter rod being connected with the photographing portion.

4. The scooter as claimed in claim 3, wherein at least one of the first scooter rod and the second scooter rod is provided with a distance sensor; the distance sensor is electrically connected with the control portion; the second scooter rod is provided with a contraction position located in the accommodation cavity and an extension position located out of the accommodation cavity; and when the distance sensor detects that the second scooter rod is located at the contraction position, the control portion controls the driving portion through the image signal collected by the photographing portion to start; and when the distance sensor detects that the second scooter rod is located at the extension position, the control portion controls the photographing portion to stop work.

5. The scooter as claimed in claim 1, wherein when the camera of the photographing portion is the single-fisheye camera, a first end of the third scooter rod is connected with the sliding plate; and wherein the fourth scooter rod is hinged with a second end of the third scooter rod; the fourth scooter rod is connected with the photographing portion; the fourth scooter rod is provided with a working position connected with the third scooter rod and a folding position folded with the third

scooter rod; and when the fourth scooter rod is located at the working position, an axial line of the fourth scooter rod and an axial line of the third scooter rod are coaxially disposed; and when the fourth scooter rod is located at the folding position, the axial line of the fourth scooter rod is formed into a first preset included angle with the axial line of the third scooter rod; and a photographing direction of the photographing portion is formed into a second preset included angle with a horizontal plane.

6. The scooter as claimed in claim 5, wherein when the fourth scooter rod is located at the folding position, the second preset included angle is 90°.

7. The scooter as claimed in claim 5, wherein at least one of the fourth scooter rod and the sliding plate is provided with a distance sensor; the distance sensor is electrically connected with the control portion; and when the distance sensor detects that the fourth scooter rod is located at the folding position, the control portion controls the driving portion through the image signal collected by the photographing portion, thereby driving the at least part of wheel portion to drive the scooter body to move and avoid the obstacle; and when the distance sensor detects that the fourth scooter rod is located at the working position, the control portion controls the photographing portion to stop work.

8. The scooter as claimed in claim 1, wherein when the camera of the photographing portion is the single-fisheye camera, the photographing portion further comprises:

a blocking portion detachably connected with the photographing portion; at least part of the blocking portion is provided with a blocking position located on a middle portion of the camera, and an avoidance position far away from the camera; and when the blocking portion is located at the blocking position, a photographing view angle of the camera is an annular view angle.

9. The scooter as claimed in claim 1, wherein the scooter comprises:

an alarm portion, wherein the alarm portion is connected with the scooter body; and the alarm portion is electrically connected with the control portion.

10. The scooter as claimed in claim 1, wherein when the photographing portion is the dual-fisheye photographing device, the scooter body is provided with a mounting hole; and the photographing portion comprises:

a camera disposed in the mounting hole; and

a flexible portion located between the camera and a wall of the mounting hole.

11. The scooter as claimed in claim 1, wherein the driving portion comprises:

a first driving portion disposed on an inner side of the wheel portion; and the first driving portion is connected with a wheel spindle of the wheel portion, thereby driving the wheel portion to rotate around an axial line of the wheel spindle.

12. The scooter as claimed in claim 11, wherein the scooter body further comprises a mounting frame; the wheel portion is rotatably mounted on the mounting frame; and the driving portion comprises:

a second driving portion in driving connection with the mounting frame to drive the mounting frame to rotate, so that the mounting frame drives the wheel portion to steer.

13. The scooter as claimed in claim 12, wherein the second driving portion is provided with a driving wheel; a driven wheel is disposed on the mounting frame; and a transmission belt is sleeved to the driving wheel and the driven wheel, so that the driving wheel drives the driven wheel to rotate and thus the mounting frame is rotated.

14. The scooter as claimed in claim 12, wherein a first end of the scooter rod portion is connected with the mounting frame, so that when the second driving portion is in a nonworking state, the wheel portion is steered by operating the scooter rod portion, and the photographing portion is disposed on a second end of the scooter rod portion.

15. The scooter as claimed in claim 14, wherein when the photographing portion is the dual-fisheye photographing device, the scooter rod portion comprises:

a first scooter rod and a second scooter rod telescopically disposed on the first scooter rod; one end, far away from the second scooter rod, of the first scooter rod is

connected with the mounting frame; and one end, far away from the first scooter rod, of the second scooter rod is configured to mount the photographing portion.

16. The scooter as claimed in claim 15, wherein the scooter is provided with a manned driving state and an unmanned driving state; the second scooter rod is provided with a contraction position and an extension position; and when the scooter is in the manned driving state, the second scooter rod is located at the extension position, so that an operator operates the scooter rod portion to steer the wheel portion; and when the scooter is in the unmanned driving state, the second scooter rod is located at the contraction position, so that the wheel portion is driven by the driving portion to steer.

17. The scooter as claimed in claim 14, wherein one end, far away from the fourth scooter rod, of the third scooter rod is connected with the mounting frame.