Claims

1. An aerial work platform with protection device of electronic sensing type comprising: a vehicle, a telescopic transmission component pivotablly installed on the vehicle and an operation platform connected to a distal end of the telescopic transmission component, wherein

the operation platform comprises a bottom plate, a circular fence disposed on a perimeter of the bottom plate and a control panel installed on the circular fence;

the control panel has a barrier formed on its perimeter, the barrier comprises two side bars located at two lateral sides of the control panel, a protection device of electronic sensing type electrically connected with the control panel is disposed on the barrier, and the protection device of electronic sensing type comprises an optical transmitter capable of transmitting rays and an optical receiver capable of receiving the rays transmitted by the optical transmitter, said optical transmitter and optical receiver cooperating with each other, being faced towards each other, and being disposed on the two side bars respectively.

2. The aerial work platform with protection device of electronic sensing type as recited in claim 1, wherein the optical transmitter and optical receiver are embedded into the two side bars respectively.

3. The aerial work platform with protection device of electronic sensing type as recited in claim 2, wherein

the circular fence is made of a plurality of protection rods.

4. The aerial work platform with protection device of electronic sensing type as recited in claim 1, wherein the optical transmitter and optical receiver are secured on top portions of the side bars respectively.

5. The aerial work platform with protection device of electronic sensing type as recited in claim 1, wherein the optical transmitter is an infra-red transmitter, and the optical receiver is an infra-red receiver.

6. The aerial work platform with protection device of electronic sensing type as recited in claim 1, wherein a length-angle sensor for detecting a movement distance and luffing angle of the telescopic transmission component is disposed on said telescopic transmission component; a main controller is provided on the vehicle and is configured to cause a horizontal movement of the operation platform without vertical movement with respect to a first predefined location, or to cause a vertical movement of the operation platform without horizontal movement with respect to a second predefined location; and the length-angle sensor is electrically communicated with the main controller.

7. The aerial work platform with protection device of electronic sensing type as recited in any one of claims 1-6, wherein the telescopic transmission component is

hinged to the vehicle by a supporting arm; and a luffing cylinder is disposed between the telescopic transmission component and supporting arm.

8. The aerial work platform with protection device of electronic sensing type as recited in any one of claims 1-6, wherein the telescopic transmission component is connected to the operation platform through a telescopic connection component; and a luffing cylinder is disposed between the telescopic connection component and telescopic transmission component.

9. The aerial work platform with protection device of electronic sensing type as recited in claim 1, wherein a plurality of operation buttons is provided on the control panel.