WHAT IS CLAIMED IS:

1. A disinfection system applied to a space, wherein the space has an entrance communicating with an outside thereof, comprising:

an ultraviolet disinfecting light which can be turned on or off under control and emits ultraviolet rays to the space when it is turned on;

a controlling device which is connected to the ultraviolet disinfecting light and controls the ultraviolet disinfecting light to be turned on or off;

an ultraviolet detecting device which is signally connected to the controlling device and is for detecting an intensity of the ultraviolet rays emitted by the ultraviolet disinfecting light; and

a detecting device which detects a temperature and a movement state in the space, wherein the movement state is one of a first state and a second state, the first state indicates that there is no moving target in the space and the second state indicates that a moving target is in the space,

wherein, the controlling device controls the ultraviolet disinfecting light to increase an ultraviolet radiation dose of the ultraviolet rays emitted by the ultraviolet disinfecting light after the ultraviolet disinfecting light is turned on and the intensity of the ultraviolet rays is less than a predetermined intensity,

wherein, the controlling device controls the ultraviolet disinfecting light to be turned on when the detecting device detects that the temperature is less than a predetermined temperature and the movement state is the first state;

wherein, the detecting device divides the space into a plurality of detection areas and detects the temperature and the movement states of each detection area; when the temperature detected at any detection area appears a predetermined temperature difference within a predetermined time, the temperature detected at any detection area is higher than

the predetermined temperature, or the movement state detected at any detection area is the second state, the controlling device records the corresponding detection area as an enhanced area; the controlling device controls the ultraviolet disinfecting light to be turned on and to increase the ultraviolet radiation dose of the enhanced area when the detecting device detects the temperature of each detection area is less than the predetermined temperature and the movement state is the first state.

2. The disinfection system of claim 1, wherein the controlling device controls the ultraviolet disinfecting light to be turned on and after an irradiation time, the ultraviolet disinfecting light is controlled to be turned off; during the irradiation time, the controlling device controls the ultraviolet disinfecting light to increase the intensity of the ultraviolet rays emitted by the ultraviolet disinfecting light when the intensity of the ultraviolet rays is less than the predetermined intensity so as to reach the ultraviolet radiation dose.

3. The disinfection system of claim 2, wherein the controlling device further controls the ultraviolet disinfecting light to extend the irradiation time so as to reach the ultraviolet radiation dose.

4. The disinfection system of claim 1, wherein the controlling device controls the ultraviolet disinfecting light to be turned on and after an irradiation time, the ultraviolet disinfecting light is controlled to be turned off; during the irradiation time, the controlling device controls the ultraviolet disinfecting light to extend the irradiation time when the intensity of the ultraviolet rays is less than a predetermined intensity so as to reach the ultraviolet radiation dose.

5. The disinfection system of claim 4, wherein the controlling device correspondingly extends the irradiation time according to the intensity of the ultraviolet rays detected by the ultraviolet detecting device when the intensity of the ultraviolet rays is less than the predetermined intensity, and the extended irradiation time is inversely proportional to the intensity of the ultraviolet rays.

6. The disinfection system of claim 5, wherein the controlling device transmits a warning message when the extended irradiation time reaches a critical time.

7. The disinfection system of claim 1, comprising a photocatalyst sprayer electrically connected to the controlling device, wherein the controlling device controls the photocatalyst sprayer to spray a photocatalyst into the space after the ultraviolet disinfecting light is controlled to be turned on and the intensity of the ultraviolet rays is less than the predetermined intensity.

8. The disinfection system of claim 1, wherein the entrance of the space is provided with a door movably blocking the entrance; the detecting device includes an image recognition and processing module which captures images of the space and recognizes the movement state from the images; after the ultraviolet disinfecting light is controlled to be turned on, the controlling device controls the ultraviolet disinfecting light to be turned off when the image recognition and processing module recognizes out of the images that the door does not block the entrance.

9. The disinfection system of claim 1, including an input device connected to the controlling device and for inputting a time value for the controlling device to set as an irradiation time, wherein the controlling device controls the ultraviolet disinfecting light to be turned on and after the irradiation time, the ultraviolet disinfecting light is controlled to be turned off.

10. The disinfection system of claim 1, wherein the ultraviolet disinfecting light includes a plurality of ultraviolet light emitting components, each detection area respectively corresponds to at least one of the ultraviolet light emitting components; during an irradiation time, the controlling device controls the intensity of the ultraviolet rays of the at least one ultraviolet light emitting component corresponding to the enhanced area to be a first light intensity, and controls the intensity of the ultraviolet rays of the at least one ultraviolet light emitting component corresponding to the other detection area to be a second light intensity;

the first light intensity is greater than the second light intensity.

11. The disinfection system of claim 10, wherein the ultraviolet disinfecting light includes a plurality of ultraviolet light emitting components, each detection area respectively corresponds to at least one of the ultraviolet light emitting components; during a first irradiation time, the controlling device controls the intensity of the ultraviolet light emitting components to be the same light intensity; after reaching the first irradiation time, the controlling device keeps the at least one ultraviolet light emitting component corresponding to the enhanced area to be turned on and controls the at least one ultraviolet light emitting component corresponding to the other detection area to be turned off; after reaching a second irradiation time, the controlling device controls at least one of the ultraviolet light emitting component corresponding to the enhanced area to be turned off.

12. An elevator equipment, comprising:

a car;

a lift control device for controlling the lift of the car; and

the disinfection system of claim 1 installed at the car, the space located inside the car.

13. The elevator equipment of claim 12, wherein the controlling device is connected to the lift control device; when the ultraviolet disinfecting light is controlled to be turned on, the controlling device accordingly transmits a trigger signal to the lift control device to control the car to move to a predetermined floor.

14. The elevator equipment of claim 12, wherein the controlling device is connected to the lift control device; the lift control device transmits an activation signal to the controlling device, and the controlling device accordingly controls the ultraviolet disinfecting light to be turned on.

15. The elevator equipment of claim 12, wherein the controlling device is connected to the lift control device; the lift control device detects a load of the car; the controlling device controls the ultraviolet disinfecting light to be turned off when the load detected by the lift

control device is greater than a predetermined weight.

16. The elevator equipment of claim 12, wherein the car has a door; the controlling device is connected to the lift control device; the lift control device detects whether the car is open or not; the controlling device controls the ultraviolet disinfecting light to be turned off when the door is detected as open.