What is claimed is:

1. A device for quickly sensing faults of equipment in a data center computer room, comprising a track (1), wherein a moving mechanism (2) is slidably connected at a lower part of an outer surface of the track (1), a control box (3) is fixedly connected to a~~n~~ lower end of the moving mechanism (2), a telescopic controller (12) is movably connected to a middle part of a~~n~~ lower end of the control box (3) through a bearing, a regulation mechanism (4) is insertedly fixedly connected to an upper part of an outer surface of the telescopic controller (12), a camera (5) is movably connected to a lower part of an outer surface of the regulation mechanism (4), a camera head (6) is provided at each of a front part of a left end and a rear part of the left end of the camera (5), a display (11) is fixedly connected to a middle part of a front end of the control box (3), a fixed support (7) is fixedly connected to each of a front part of an upper end and a rear part of the upper end of the moving mechanism (2), two fixed supports (7) are respectively located at front and rear sides of the track (1), a~~n~~ sensing mechanism (8) is insertedly fixedly connected to each of a middle part of an upper frame wall of the two fixed supports (7), several mounting frames (9) are fixedly connected to a middle part of an upper end of the track (1) with by bolts, several mounting holes (10) are formed at a middle part of an upper frame wall and a middle part of a lower frame wall of each of the several mounting frames (9), a limit strip (13) is fixedly connected to each of an upper part of a front end, a lower part of the front end, a lower part of a rear end and an upper part of the rear end of the track (1), a fixed groove (14) is formed in each of a middle part of the front end and a middle part of the rear end of the track (1), a moving groove (15) is formed in each of a middle part of an upper groove wall and a middle part of a lower groove wall of two fixed grooves (14), and a limit groove (16) is formed in a middle part of a lower end of the track (1); and

   the moving mechanism (2) comprises a fixed plate (21), and a supporting plate (22) is fixedly connected to each of a front part of an upper end and a rear part of the upper end of the fixed plate (21), a protection cover (23) is fixedly connected to each of peripheries of opposite surfaces of two supporting plates (22), a limit block (24) is fixedly connected to each of left and right parts of surfaces of the two supporting plates (22) facing to each other, a driving mechanism (25) is movably connected, through insertion, to each of middle parts of opposite surfaces of the two supporting plates (22), a mounting groove (26) is formed in a middle part of the upper end of the fixed plate (21), three connecting rods (27) are jointly fixedly connected between an upper part of a front groove wall and an upper part of a rear groove wall of the mounting groove (26), a limit wheel (28) is movably connected, through insertion by a bearing, to an upper part of an outer surface of each of the three connecting rods (27), and four limit

blocks (24) are respectively slidably connected with corresponding four limit strips (13).

wherein a regulation motor (31) is fixedly connected to a rear part of a lower box wall of the control box (3), a regulation gear (32) is insertedly fixedly connected to an output end of the regulation motor (31), a fixed shaft (33) is insertedly fixedly connected to a middle part of an upper end of the regulation gear (32), an upper end of the fixed shaft (33) is movably connected with an upper box wall of the control box (3) through a bearing, an middle part of a front end of the regulation gear (32) is meshed with a large gear (34), a regulation shaft (35) is insertedly fixedly connected to a middle part of an upper end of the large gear (34), a lower end of the regulation shaft (35) penetrates through the lower box wall of the control box (3) and is fixedly connected with an upper end of the telescopic controller (12), and an upper end and a lower part of an outer surface of the regulation shaft (35) are each movably connected with an upper box wall and the lower box wall of the control box (3) respectively, through a bearing,

wherein the regulation mechanism (4) comprises a fixed frame (41), a middle part of a right end of the fixed frame (41) is movably connected with a regulation cylinder (42) through a connecting seat, one end of the regulation cylinder (42) away from the fixed frame (41) is movably connected with a right part of an upper end of a camera (5) through a connecting seat, a front part of an upper end and a rear part of the upper end of the fixed frame (41) are each fixedly connected with a limit mechanism (43), a connecting plate (44) is insertedly fixedly connected between upper parts of outer surfaces of two limit mechanisms (43), a middle part of an upper end of the connecting plate (44) and an upper part of an outer surface of the telescopic controller (12) are insertedly fixedly connected, each of an upper part of a front end and an upper part of a rear end of the fixed frame (41) is fixedly connected with a temperature sensor (45), and each of a lower part of a box frame wall and a lower part of a rear frame wall of the fixed frame (41) is insertedly movably connected with a middle part of a front end and a middle part of a rear end of the camera (5) through a movable shaft,

wherein the limit mechanism (43) comprises a limit cylinder (431), a multi-stage telescopic rod (432) is insertedly movably connected to a middle part of a lower cylinder wall of the limit cylinder (431), a lower end of the multi-stage telescopic rod (432) runs through the upper end of the connecting plate (44) and is fixedly connected with the upper end of the fixed frame (41), a spring (433) is sleeved on an outer surface of the multi-stage telescopic rod (432), a middle part of an upper end of the limit cylinder (431) is movably connected with a universal wheel (434) through a bearing, and a lower end of the limit cylinder (431) is fixedly connected with the upper end of the connecting plate (44).

2. The device for quickly sensing faults of equipment in a data center computer room according to claim 1, wherein the driving mechanism (25) comprises a driver (251), the driver (251) has an output end which is

insertedly fixedly connected with a driving wheel (252), a belt (253) is sleeved on a middle part of an outer surface of the driving wheel (252), a driven wheel (254) is sleeved on a right part of the belt (253), each of a middle part of a rear end of the driven wheel (254) and a middle part of a rear end of the driving wheel (252) is movably connected, through a bearing, to a front end of a supporting plate (22) on the front, a driving shaft (255) is insertedly fixedly connected to each of the middle part of the rear end of the driven wheel (254) and the middle part of the rear end of the driving wheel (252), each of rear ends of two driving shafts (255) penetrates through the front end of the supporting plate (22) on the front and is insertedly fixedly connected with a moving wheel (256), each of two moving wheels (256) is slidably connected with two moving grooves (15) on the front, each of front parts of outer surfaces of the two driving shafts (255) is movably connected to a rear end of the supporting plate (22) on the front through a bearing, and a front end of the driver (251) is fixedly connected with a front cover wall of a protection cover (23) on the front.

~~3. The device for quickly sensing faults of equipment in a data center computer room according to claim 1 or 2, wherein a regulation motor (31) is fixedly connected to a rear part of a lower box wall of the control box (3), a regulation gear (32) is insertedly fixedly connected to an output end of the regulation motor (31), a fixed shaft (33) is insertedly fixedly connected to a middle part of an upper end of the regulation gear (32), an upper end of the fixed shaft (33) is movably connected with an upper box wall of the control box (3) through a bearing, an middle part of a front end of the regulation gear (32) is meshed with a large gear (34), a regulation shaft (35) is insertedly fixedly connected to a middle part of an upper end of the large gear (34), a lower end of the regulation shaft (35) penetrates through the lower box wall of the control box (3) and is fixedly connected with an upper end of the telescopic controller (12), and an upper end and a lower part of an outer surface of the regulation shaft (35) are each movably connected with an upper box wall and the lower box wall of the control box (3) respectively, through a bearing.~~

~~4. The device for quickly sensing faults of equipment in a data center computer room according to claim 3, wherein the regulation mechanism (4) comprises a fixed frame (41), a middle part of a right end of the fixed frame (41) is movably connected with a regulation cylinder (42) through a connecting seat, one end of the regulation cylinder (42) away from the fixed frame (41) is movably connected with a right part of an upper end of a camera (5) through a connecting seat, a front part of an~~

upper end and a rear part of the upper end of the fixed frame (41) are each fixedly connected with a limit mechanism (43), a connecting plate (44) is insertedly fixedly connected between upper parts of outer surfaces of two limit mechanisms (43), a middle part of an upper end of the connecting plate (44) and an upper part of an outer surface of the telescopic controller (12) are insertedly fixedly connected, each of an upper part of a front end and an upper part of a rear end of the fixed frame (41) is fixedly connected with a temperature sensor (45), and each of a lower part of a box frame wall and a lower part of a rear frame wall of the fixed frame (41) is insertedly movably connected with a middle part of a front end and a middle part of a rear end of the camera (5) through a movable shaft.

5. The device for quickly sensing faults of equipment in a data center computer room according to claim 4, wherein the limit mechanism (43) comprises a limit cylinder (431), a multi-stage telescopic rod (432) is insertedly movably connected to a middle part of a lower cylinder wall of the limit cylinder (431), a lower end of the multi-stage telescopic rod (432) runs through the upper end of the connecting plate (44) and is fixedly connected with the upper end of the fixed frame (41), a spring (433) is sleeved on an outer surface of the multi-stage telescopic rod (432), a middle part of an upper end of the limit cylinder (431) is movably connected with a universal wheel (434) through a bearing, and a lower end of the limit cylinder (431) is fixedly connected with the upper end of the connecting plate (44).

6.3. The device for quickly sensing faults of equipment in a data center computer room according to any one of claims 1 to 5, wherein the sensing mechanism (8) comprises a casing (81), a middle part of an inner casing wall of the casing (81) is fixedly connected with a heat insulation plate (82), a middle part of a lower end of the heat insulation plate (82) is fixedly connected with a smoke sensor (83), a middle part of an upper end of the heat insulation plate (82) is movably connected with an alarm device (85), a plurality of smoke inlet holes (84) are formed in a lower part of an outer surface of the casing (81), a connection frame (86) is fixedly connected to an upper end of the casing (81), each of a left part of an upper end and a right part of the upper end of the connection frame (86) is insertedly movably connected with a screw (87), and the connection frame (86) is insertedly fixedly connected with an upper frame wall of the fixed support (7) through two screws (87).

7.4. The device for quickly sensing faults of equipment in a data center computer room according to any one of claims 2 to 5, wherein a lower end of the moving wheel (256) contacts a lower groove wall of a moving groove (15) at a lower side, a diameter length of the moving wheel (256) is smaller than a distance from an upper groove wall of a moving groove (15) on an upper side to the moving groove (15) on the lower side, an upper end of the limit wheel (28) contacts an upper groove wall of the

limit groove (16), and a diameter length of the limit wheel (28) is smaller than a distance from the upper groove wall of the limit groove (16) to a lower groove wall of the mounting groove (26).

~~8.~~5. The device for quickly sensing faults of equipment in a data center computer room according to claim 1~~5~~, wherein an upper end of the universal wheel (434) is in contact with a lower end of the control box (3), a diameter length of the spring (433) is greater than a diameter length of an upper end face of the multi-stage telescopic rod (432), the temperature sensor (45) and the camera (5) are each electrically connected with a display (11), and a diameter length of the regulation gear (32) is greater than a diameter length of the large gear (34).

~~9.~~6. The device for quickly sensing faults of equipment in a data center computer room according to claim 3~~6~~, wherein the smoke sensor (83) is electrically connected to the alarm device (85), and an upper end face of the connection frame (86) is lower than an upper end face of the mounting frame (9).

~~10.~~7. A use method of the device for quickly sensing faults of equipment in a data center computer room according to any one of claims 1-6~~9~~, comprising following steps:

step 1, mounting a device, wherein the track (1) is mounted onto a roof of the data center computer room through the mounting holes (10) on the mounting frame (9), and an inspection trail of the device is arranged through the track (1), so as to facilitate the device to move on the track (1) fixed, which can conduct a comprehensive inspection on the equipment in the data center computer room, and then ensure stability and smoothness of movement of the moving mechanism (2) on the track (1) through the limit strip (13) and the limit groove (16);

step 2, moving the device, wherein a driver (251) is started, so as to drive through the driver (251) a driving wheel (252) to rotate, and then drive through a belt (253) a moving wheel (256) to rotate, thereby driving the whole device to move on the track (1), and then using the camera (5) and the sensing mechanism (8) to make inspection on the data center computer room, while moving;

step 3, rotating by an angle, wherein a regulation motor (31) is started, so as to drive through the regulation motor (31) a regulation gear (32) to rotate, and then make the telescopic controller (12) to drive the regulation mechanism (4) and the camera (5) to rotate together, by a meshing transmission between the regulation gear (32) and a large gear (34), so that a shooting angle of the camera head (6) can be adjusted and a shooting range of the camera head (6) can be expanded;

step 4, adjusting an angle, wherein the telescopic controller (12) is started to make the telescopic controller (12) stretch and push a fixed frame (41) downward, that is, a height of the camera (5) is adjusted, and then, by adjusting expansion and contraction of a cylinder (42), a right part of an outer surface of the camera (5) is pushed and pulled to move down or up, that is, a tilt angle of the camera (5) can be adjusted; and

step 5, sensing a fault, wherein whether smoke exists in the data center computer room is sensed by a smoke sensor (83), wherein when smoke is sensed, the smoke sensor (83) transmits data to an alarm device (85), the alarm device (85) emits a sound to carry out an alarm, and then temperature of the data center computer room is sensed by a temperature sensor (45), and whether the equipment in the data center computer room has fault is determined based on whether a sensed temperature exceeds a set value.

~~11. The use method according to claim 10, wherein the step of driving through a belt (253) a moving wheel (256) to rotate, thereby driving the whole device to move on the track (1) comprises:~~

~~making, through the belt (253) driving a driven wheel (254) to rotate, two driving shafts (255) drive respectively two moving wheels (256) to rotate together, so that the moving wheels (256) move in moving grooves (15), so as to drive the whole device to move on the track (1).~~

~~12. The use method according to claim 10 or 11, wherein while the whole device moves on the track (1), the limit block (24) and the limit wheel (28) slide respectively on the limit strip (13) and the limit groove (16) to limit a position of the whole device.~~

~~13. The use method according to any one of claims 10 to 12, wherein when the regulation motor (31) drives the regulation gear (32) to rotate, a fixed shaft (33) ensures stability of the regulation gear (32) during rotation; and when the telescopic controller (12) drives the regulation mechanism (4) and the camera (5) to rotate together, stability of the camera (5) during movement is ensured through the universal wheel (434) moving at a lower end of the control box (3).~~

~~14. The use method according to any one of claims 10 to 13, wherein when the telescopic controller (12) extends and pushes the fixed frame (41) downward, a multi-stage telescopic rod (432) also extends to limit a position of the fixed frame (41), and stability of the fixed frame (41) during movement is ensured through elasticity of a spring (433).~~

~~15. The use method according to any one of claims 10 to 14, wherein the sensing mechanism (8) can be disassembled from the fixed support (7) through screws (87) on a connection frame (86), to remove and replace the smoke sensor (83).~~

~~16. The use method according to any one of claims 10 to 15, wherein when the temperature sensor (45) senses that a temperature exceeds the set value, the camera (5) is adjusted through the display (11) to a position with higher sensed temperature and performs shooting, and it is determined, by cooperating with the camera (5), whether the equipment in the data center computer room has fault.~~