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## Hikvision ip ptz camera installation manual

Our quick start search guide is a quick start guide here to find installation steps, initial configuration and basic processes. QSG kits help you understand, install and use products as soon as possible for the best experience. Kamera pan tilt zoom (PTZ) bekerja dengan menggerakkan kamera ke berbagai arah untuk mendapatkan seluruh gambar area pengawasan dan memperbesar untuk detail peristiwa keamanan lebih lanjut. Kemampuan Pan, Mile, Dan Zoom dapat digunakan untuk memonitor region yang luas dengan satu kamera sekaligus mendapatkan details Yang Rinci. Hikvision menawarkan berbagai pilihan kamera PTZ untuk beragam skenario penerapan: PTZ jaringan seri DF yang canggih, PTZ Turbo HD seri AF, kamera pengatur posisi PTZ, PTZ lalu lintas, dan lainnya. Kamera PTZ ini berfungsi sebagai solusi mandiri dan terintegrasi dengan kamera lain. Dengan kamera PTZ Hikvision, Anda dapat merespons peristiwa keamanan dengan cepat tanpa melewatkan satu pun titik buta. Our quick start search guide is a quick start guide here to find installation steps, initial configuration and basic processes. QSG kits help you understand, install and use products as soon as possible for the best experience. 1 2 3 4 5 Table Of Contents 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 1 2 3 4 5 6 Table Of Contents 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 The Zoom/Zoom Camera (PTZ) works by moving the camera in different directions to get a full picture of the control area and zoom in for more details on security events. Animation, tilt, and zoom capabilities allow you to monitor large areas with a single camera while getting great details. Hikvision offers a wide range of PTZ cameras for different application scenarios: high-end PTZ DF series network, AF Turbo HD PTZ series, PTZ GPS cameras, PTZ traffic, and more. These PTZ cameras work as an independent and integrated solution with other cameras. With HIKVISION PTZ cameras, you can quickly respond to security events and leave no blind spot unnoticed. The types of analog cameras and PTZ IP BO and their wiring connection with DVR and NVRIn our previous functions, we learned basic wiring and communication from analog cameras and IP with NVR and DVR security system. Today, we will discuss IP and analog PTZ wire installation cameras. The PTZ camera is a short form of PAN-TILT-ZOOM camera. It is a specially designed security camera with multiple functionality features. Tilted/Zoom/Zoom/PTZ camera can change and control motion direction, minimize and automatically zoom in with DVR/NVR systems or manually by PTZ controller The latest DVR and NVR security systems, the PTZ camera can be controlled online using a computer system or a mobile device. In this way, PTZ camera movement can be monitored and controlled from anywhere with an active Internet connection. A special type of car known as the motor walker is used in PTZ motion control cameras that operate in periodic steps. These engines are used to move the camera left, right, top and bottom. The latest IP PTZ Pan camera (horizontally) can reach 360 degrees and tilt up to 180 degrees (vertically) having a zoom capacity of 112 degrees and an optical zoom range of 3x to 30x without limiting image quality. Let's see how ptz the camera panning, tilting and zooming. PAN: The PTZ camera can move horizontally (right and left) up to 360 degrees circularly to cover a wide range of space. TILT: The latest model cameras can tilt up to 180 degrees up and down and are able to cover to observe a wide vertical area. ZOOM: To maintain image quality, it is not recommended to zoom the camera too far even if it can zoom up to 30x by changing the length of the lens focus. There are four basic types of PTZ cameras as follows: analog PTZ CamerasIP PTZ CamerasHD-CVI CamerasetPTZ or VPTZ CamerasLets a brief discussion of various technologists used for PTZ cameras. PTZ analog cameras have a range of up to 300 meters (1,000 feet) but due to low high voltage, they can only be powered up to 45 meters (150 feet) for video and RS-485 set. Reduced voltage can be reduced by saving power separately for cameras or providing a high amp power supply (e.g. after 45m (150ft), can be powered by a 1-amp camera with 3 amps (note: although it works perfectly , but not a recommended way to do this and exceed the limit of 45 meters (150 feet). The RS-485 cable can be used to connect the analog camera to the DVR or PTZ controller to control camera movement. IP PTZ cameras have a range of up to 100 meters (300 feet) due to the restriction of slender networks. As power and video signals can be transmitted via one po (power over the Internet) RJ45, Cat5, or Cat6 cable, length can not be extended without additional devices. For this purpose, the PO injector can be used to extend the length limit to an additional 100 meters (300 feet). The IP camera can be connected directly to NVR (network video recorder) through poe cables from cameras and RJ45, Cat5 or Cat6 cables. So there is no need to operate cameras via a separate power supply as cat5 or cat6 cables are able to save power and transmit video signals from the camera to NVR. The optional PTZ controller can be used to manually control motion by connecting it to dVR and the routing key through RJ45 Cable.HD-CVI is the abbreviated form of a high-definition composite video interface. In Cameras, the latest HD-CVI technology uses single hub cables to transmit control, sound and high-resolution video signals up to 1920 × 2 1080 megapixels (1080p video resolution) between the transmitter and receiver. The resolution rate is 450% better than analog cameras.ePTZ or VPTZ (also known as virtual pan tilt zoom) are cameras that digitally pan, tilt and zoom image to parts without physical camera movement as ePTZ refers to the function of the program instead of hardware. It can cover up to 360 degrees rotation covering a large area but significantly reduces the image quality in case of digital zoom and zoom as it will enlarge pixels. VPTZ is also known as digital zoom where the camera does not actually move but mobility and measurement can be controlled digitally as ePTZ or VPTZ are connected to DVR or NVR for later recording analysis when needed. Related post: How to install PoE IP CCTV cameras with NVR Security SystemNow, lets see how analog cameras and IP PTZ wire to NVR/DVR and VPTZ controller as follows. The following wire diagram shows how to connect an analog PTZ camera to the DVR and PTZ controllers. BNC cables are used to transmit video signal while RS-485 cables are used to control camera movement and rotation by connecting them to a PTZ controller or DVR system. Keep in mind that a separate 12V DC power supply is needed to run up CCTV cameras. Yellow in the RJ-45 cable is positive + while orange is negative -. In another configuration, red is used as 485+ and black as 485- or blue and green can be used for negative and positive respectively. The following wire graph shows how the PTZ IP PoE camera is connected to the PTZ control console. In this connection wiring, no need to operate the camera with an extra DC supply source as one cat5 or cat6 cable can be used to save power for cameras and transmit video signals from the camera to NVR as is ip po (power via ethernet) system. Simply connect the IP camera braids to the PoE adopter, which is more connected to NVR via RJ45, Cat5, or Cat6 Cable.In from the optional PTZ controller, and connect it to the rj45 steering switch, which is further connected to NVR via an additional RJ-45 connector. Related posts: Jobs: