Article published on March 29th 2012 | Business

One familiar with the product performance

Get IR Dome IP Camera products, engineering and users should be familiar with the technical parameters of the product, such as input voltage is how much power, what functions, as far as possible the idea in mind.

2, check

Pre-installation deal with the dome camera to detect and adjust so that the IP Camera is in proper working order.

3, installation

Pre-construction, according to the environment and safety, aesthetics, such as starting, installed wall or lifting.

4, the installation angle

Dome Camera installation angle is a direct impact on the scope of the monitoring image, the installation according to the needs on the ground to operate. Less than 6 meters installed in the cell door, the camera angles suggest the best is 30 Â° -60 Â°; if installed at the checkout, the WiFi IP Camera angle should be considered in the Â± 15 Â° -20 Â°. In short, the camera as much as possible to avoid backlit camera situation, so in order to meet customer requirements as much as possible.

5, do the processing of the video interface

Hemisphere camera video signal output port, power input port control signal port of the more important, the installation should try to do waterproof, as well as the oxidation treatment. In order to avoid instability, uncontrolled, not even display the image of the phenomenon.

The cameras are generally 24 hours a day, so do the maintenance of the Network Camera, you can extend the life of the camera and safeguard the stability of the camera image effects, specifically note the following.

Should be noted that the voltage stability of the camera, otherwise the effect will affect the image, and even the camera was damaged;

Often check whether the wires are damaged, aging, to avoid the occurrence of unusual circumstances;

Should try to avoid sunlight or bright light for a long time direct in order to avoid damage to the CCD camera;

Need for frequent cleaning Dome Camera, such as frequent cleaning of the Security IP Camera casing surface dust, and try not to open the shell, such as the need to open, the first power outage;

Establish camera file in order to facilitate inspection, testing future.

Article Source:
http://www.articleside.com/business-articles/infrared-dome-ip-camera-installation-and-maintenance-skills.htm - Article Side

Guardlyer - About Author:
Surveillance cameras in order to improve anti-jamming capability
Surveillance a Wireless IP Camera generally use the most common means of transmission is baseband video transmission (baseband transmission directly without any processing such as frequency conversion and transmission of television signals the way). The advantages of this transmission is a transmission system architecture, within a certain range, low distortion, low noise (SNR); drawback is that the transmission distance can not be too far, you must transfer the extent required by the cable characteristics, and root video coaxial cable can only send the TV signal. apexis Shenzhen surveillance a Android IP Camera manufacturers into more powerful manufacturers.

This transmission has the advantages of high stability, simple equipment used in the system, to facilitate wiring, which has been widely applied in real life. But the cable the use of high bandwidth and low frequency, resulting in a signal transmission cable, the amplitude and phase difference will be in the low band and high band, especially in the phase distortion is too large, it is difficult with a simple circuit to compensate. And low-frequency part of the baseband transmission is very vulnerable to strong electric launch towers, base stations, motor, inverter and other sources of interference. Such as the common source of interference in the project:

1, radio interference:

When the erection of the cable in the air, a IP Camera then the cable itself is equivalent to a very long antenna. As a result of the antenna effect, the cable will produce considerable radio interference voltage and interference current on the cable jacket, the current through the ground cable at both ends and to constitute a loop, so the terminal load will produce radio interference voltage of the signal, interference signal mixed with the video signal. This interference signal on the image manifested as more frequent stripes, Shu Wen, twill, even when serious flood the entire video image.

2, high-frequency interference:

The cable shielding shielding effect is worse for the lower frequency signal carrier telephone, radio signals, for this reason, the introduction of high-frequency interference signals. Caused by the interference of the horizontal stripes on the image.

3, power disturbances:

When the a security network camera system needs to IT the beginning and the end at the same time grounded, the existence of resistance due to both ends of the ground potential differences and the cable jacket between the two places, causing the potential difference of 50Hz, resulting in the interference signal voltage. When the interference signal is superimposed on the video signal, so that the normal image appears on a wide horizontal dark band.

4, the harmonic interference:

Harmonic interference mainly around the large current or high voltage power lines, power cables to the surrounding radiation signal, its frequency 2500Hz and 125000Hz, interfere with the video signal of the low frequency band.

5, the transmission line interference:

Poor quality of video cable shielding performance (layer sparse or non-shielded copper media shield, etc.), the cable resistance is too large, the video signal caused by the severe attenuation.

6 clean power disturbances:

For example, a Network Camera the grid power SCR FM speeder, silicon controlled rectifier device, SCR cross-DC conversion device will power pollution. Clean power to the camera and other active equipment to job instability, and thus the formation of interference.

The above makes the scene of the video image to a variety of interference by the strong interference, we solve the above can be a good variety of video interference in SHWIT brand.

Specific solutions are as follows:

A frequency shift: the frequency shift technology video signals (0-6MHZ) frequency shift within a 49-300MHZ; video signals through long-distance transmission, the sender of the anti-jamming device at the receiving end to restore the signal into a normal video signal output. Increased frequency in long-distance transmission at the same time effective to avoid a variety of interfering signals;

Code: video signal into the anti-jamming device, the digital encoding process, the decoding process before it reaches the monitoring center equipment. In order to avoid the source of interference on the video signal interference and video signals, crosstalk and attenuation;

3 enhancements: the greater the signal attenuation to the signal transmission distance farther, so we must be at the sending end of the signal carrier capacity to strengthen so that it can transmit farther;

4, adaptive: with automatic adjustment of the signal strength and adaptation functions within the device, the device has 0 distance to the most long-distance transmission automatic adaptability;

Free debugging: a device should not have a lot of debugging part of our equipment at the factory already has a 90% market adaptability, basically you can use to connect, without the extra debugging;

6, security: wide voltage (12V-24V) design concept, to avoid a sudden increase or sudden drop of the moment the supply voltage burned out equipment to protect the equipment and the safety of the operator;

7, the monitoring results of stability: a long time before the device is manufactured, aging and test trials, and engineering statistics, this product can achieve the continuous use of all-weather, and able to meet the long-term stability requirements.

Article Keywords:
Dome IP Camera IP Camera WiFi IP CameraNetwork Camera, Security IP Camera

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