Article Side
Hd monitor the necessary conditions of application: the transport network by Guardlyer

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Along with the hd monitor product releasing and pilot application, hd products and solutions for the perfect and mature, hd product presents of high-definition quality and high quality monitoring effect has been gradually the market highly recognized, and this will facilitate security monitoring camera system by standard to the transformation of the high definition, accelerate monitoring mode by simulation model to the hd DVR + of IPC application model transformation.

Hd monitor the application and popularization can quickly, not only need to front end hd equipment manufacturers to provide the serialization of mature hd products for users build hd monitor system flexible product selection. The overall monitoring scheme hd channels and application effect of performance to price ratio is also very important influence factors.

Hd monitor application is the premise of network

Acquisition hd screen after the first need to consider is that video signal transmission problem, hd video in transmission, put forward higher request.

High definition video signal need all the way three root coaxial cable and transmission. Digital transmission general use of the DVI, HDMI or HD-SDI transmission, of which DVI or HDMI transmission distance is only a few meters, are not suitable for monitoring transmission, and although it can transport HD SDI 100 meters or so, but for very tall to the requirement of coaxial cables, cable prices also are very expensive. Whether in analog or digital mode, uncompressed hd video signal transmission costs are significantly higher than the previous simulation standard video signal clear. And the video compression and through the ip network camera for transmission, hd video and standard video transmission cost in clear the difference is small.

Therefore, visible hd monitor must first video compression processing and through based on IP network for transmission, the only way to effectively control the transmission cost hd video, so that the hd monitor real practical significance.

The choice of the ways of the network transmission

Hd video can according to the system's network status and scenario selection or the construction of adaptation of the network ip control transmission way, including the network architecture choice (LAN/wan), transmission way selection (cable/wireless), transmission medium to choose (cable/fiber).

As TD-LTE, Wi-Fi, special network,

wireless ip camera, cable broadband technology maturity and application, big flow data transmission distance is more convenient, this wiping out the hd video camera in the big range network transmission of the application of obstacles.

At present, in the city, financial network monitoring peace projects often used optical fiber network or local area network from 1000 M realize network bandwidth. This gigabit bandwidth resources, in the front road 1080 P install 100 all the real-time hd network

ip camera (even by every road resources occupied 4 Mbps calculation), takes up less than 50% of

total bandwidth resources; If is the 720 P transmission, bandwidth still can reduce half. So, can effectively support hd video

mini ip camera the actual application of the network.

In TD-LTE technology as an associate 4 G wireless technology makes the mainstream communication high-definition video transmission possible. TD-LTE (LongTermEvolution) is our country have core independent intellectual property rights and widely international support technology, it is designed for mobile broadband application and design of high wireless communication standards. According to the 3 GPP TR25.913 definition, the peak of the high demand rate LTE, uplink 50 Mbps, 100 Mbps downlink.

The world expo in Shanghai, China mobile structures TD-LTE demo nets cover international horticultural expo garden 5.28 square kilometers, build a TD-LTE station outside 17, realize the nine venues of indoor coverage, including seven venues in pudong, Shanghai 2 venues. Based on the TD-LTE demo nets mobile high-definition meeting, mobile video monitoring, mobile high-definition high-definition video on demand preach, portable depending on the demo business such as open to the public, and achieved good effect.

summary

Not only to see, and see clearly, with the wide application of

video monitoring, people on the video clarity demand more and more. But just collected to the hd video is can't achieve the purpose of hd monitor. Hd video transmission is also a concern. The network transmission, the latest communications technology application is to achieve the necessary conditions for the hd monitor.

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