

What is the role of megapixel cameras in surveillance?



In today's video surveillance market, megapixel security cameras have become a prevalent solution as they offer high image quality and easy video stream broadcasting. Demand for HD video surveillance is stronger than ever in the residential as well as commercial security market and to meet the complex surveillance needs, new technologies are being integrated for creating the best possible cameras with a high resolution.

What is the importance of megapixels?

Pixel is mainly a picture element that resides on the image sensor in a camera. Resolution of an image is determined by the quantity of pixels. A minimum of 1,000,000 pixels are available in all megapixel cameras. This means that the image will be comprised 1000 x 1000 horizontally and vertically.

As compared to the standard definition cameras, there has been a significant growth in demand for megapixel surveillance cameras. In a standard resolution camera, you won't get a resolution of more than 400,000 pixels, which is less.

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Benefits of Investing in a Megapixel Security Camera

Here are some of the benefits high megapixel cameras offer:

1. You can expect high resolution pictures and videos because more megapixels result in better quality of photos and video images taken by the surveillance cameras. High resolution can generate images that are at least four times better than those created by simple security cameras.
2. With the help of megapixel security cameras (1280 x 1024 pixels of resolution), it becomes easy to monitor a larger area as compared to the standard CCTV cameras.
3. These cameras don't hold the restrictions of coaxial-based CCTV cameras that are limited to PAL/NTSC resolution.
4. You enjoy the added convenience of plugging the camera into an existing IP (Internet Protocol) network and then getting to view crystal clear footage from anywhere in the world. Due to this digital capability of the camera, you can enjoy peace of mind. You can be assured that your commercial or residential property will be secure even if you are somewhere else because catching suspicious activity becomes easy.
5. Compared to the traditional security or CCTV cameras, megapixel security cameras are more expensive. However, the installation and maintenance of these cameras is less expensive. With an already established IP network, you don't have to pay a hefty fee for installation.
6. With the help of a megapixel camera, it becomes easy for law enforcement personnel to review surveillance footage by zooming in on people's faces or other parts of the recorded scene. These images are generated in high resolution which means, a clearer picture is created and this helps in identifying a suspect.

Not just residential but commercial organizations can benefit tremendously from these cameras. However, when buying a megapixel camera or a flame proof camera, it is very important to purchase from a reputed manufacturer. Not all companies can be trusted so make sure you do some research in finding the right manufacturer. Also, for all your security needs, make sure you are contacting a licensed professional.

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