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Importance of Electronic Security (Biometric System| IP Video Surveillance| Heat Mapping) by Ariel Linford

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Biometric System have changed the way we do security these days, with technologies like fingerprint recognition commonly used for access to high security areas such as those involved in high-level government security.

Although it's not the most popular biometric security method at present, facial recognition security is becoming more popular as facial recognition software and other technologies become both more affordable and more accurate.

Biometric devices offer a high tech form of identification. These systems verify an individual's identity through either physical or behavior characteristics that may include hand geometry, retinal scans, voice prints or facial characteristics. A unit that is integrated into an office's security system requires staff to give their biometric information which is then stored on a hard drive. Each time an employee attempts to gain access to a protected area the biometric system will access the information stored on the hard drive to see if the individual has permission to enter the area. Due to the fact that it is impossible to duplicate individuals biometric information these security systems are widely considered the best security systems in the world.

There are a few kinds of biometric protection units that various companies have been working on. The first and most used type of biometric security systems is fingerprint recognition. These units measure the various ridges and valleys that are unique to an individualâ€™s finger print to figure out an individual's identity. A second type of technology is facial recognition. These units identify individuals by analyzing certain facial characteristics such as the distance between the eyes or the length of the nose. Another form deals with the analysis of the shape of an individual's hand. Iris recognition is a biometric security system that has been dramatized in many science fiction films. In this system the colored ring that surrounds the pupil is measured to determine the identity of an individual. The last type of biometric technology is voice recognition.

An Internet protocol video camera (IP Video Surveillance), or IP camera, is a type of digital video camera commonly employed for surveillance, and which unlike analog closed circuit television (CCTV) cameras can send and receive data via a computer network and the Internet. Although most cameras that do this are webcams, the term "IP camera" or "net cam" is usually applied only to those used for surveillance.

Today's security systems utilize CCTV security cameras that utilize Internet protocol technologies. IP CCTV video security systems have better resolution than traditional analog systems do, more flexible installation, and easier to use features.

It can be expensive to completely replace old analog CCTV systems with new IP-based ones, but fortunately, you don't have to. You can integrate analog systems with new IP technology by utilizing a hybrid platform. This gives you all of the benefits of the newer technology and is a more cost effective option as compared to completely "starting over" with new equipment. Whether you decide to completely replace your old analog CCTV systems with new completely IP-based CCTV systems or simply do integration of old and new technology,

Youâ€™ll find significant advantages:

ïƒ˜ In expensive, easy to set up and maintain

ïƒ˜ Continuous recording from all cameras

ïƒ˜ Customizable

ïƒ˜ Commercial Security Surveillance

â€¢ Monitoring inventory

â€¢ Supervising staff to ensure appropriate employee behavior

â€¢ Providing security for parking lots

â€¢ Watching over the cash register

â€¢ Providing additional protection for staff

â€¢ Observe childcare staff

â€¢ Supervise child play from another room

â€¢ Monitor sleeping children

â€¢ Watch the house when you're away

You may have heard of the term heat mapping and wondered what it meant. Or you might already know what it means but wonder how to use them and how they were generated. The usefulness of heat maps is very much dependent on how they are generated, and there is more than one way to do this.

Basically, a heat map is a graphical representation indicating by the use of color the areas of the where you have deployment of security personnel. This is normally done by showing the most popular parts of your services in red and the least popular in blue. Red is associated with heat, and blues with cold; hence the name 'heat map'.

A heat map can be very useful to you in designing your security plan, and in how to arrange the tasks. Heat maps demonstrate that the majority of people look at the services effectiveness and efficiency. Heat Mapping has strong background in imaging and IP technologies ensure that their solutions meet any organizationâ€™s current needs and have the ability to adapt to future requirements.

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Lorenzo is working as a professional content writer for more than two years. Along with his profession, he has experience of working as a content manager in a styletext-decoration:noneBiometric System in Australia. During his career, he wrote many knowledgeable articles on people counter, a styletext-decoration:noneIP Video Surveillance and many more. Hope his writing will be effective for you as well.

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