

IOT- New trend in Surveillance- Merits and Demerits

Internet of things, a term coined by Kevin Ashton in 1999 gained momentum in 2011 and has now become the most widely used technology. According to a 2019 report, the number of IoT devices reached a stunning 26.66 million in 2019 and during 2020, the number is expected to reach 31 billion devices. Even more astounding is that experts estimate more than 75 billion IoT devices to be connected to the web by 2025. The numbers speak volumes about the increasing popularity of IoT technology. But what exactly is IoT, i.e. internet of things?

IoT technology is an umbrella term which stands for connected physical and digital components. With the help of Unique Identifiers (UID) in each IoT component, data can be transmitted without manual assistance. IoT has various applications and the biggest revolution it has brought is in the world of video surveillance systems. While CCTVs and surveillance cameras have come a long way from being simple fixed narrow range cameras to now the most advanced of all – the video surveillance systems, there are still various cutting-edge versions that the world has already adopted.

With the introduction of IoT technology, the surveillance security industry has now adopted a service known as the video surveillance network system or VSaaS. These video surveillance systems are adopted across the globe by three fourth of the world's organisations and are soon being updated from time to time into better versions. Today, almost every camera, storage and recording devices are connected with each other forming a secure and private cloud connection, thereby enabling breakthrough security for businesses within seconds.

One of the most crucial features of the VSaaS today is the large storage capacities and remote monitoring options that it provides. Almost 99% of the surveillance systems of today offer storage capacity between 6GB and 6TB thereby enabling many of the large organisations to move towards cloud systems over private servers. This move has thus ensured complete protection and data encryption of the video data developing a more secured video recording and surveillance. With the help of cloud storage systems, organisations can also control, track and carry on vigilance of the premises remotely with ease and with little cost and time.

However, while digital surveillance systems are the best means of protection, they still come with a tinge of salt that every organisation adapting to it has to swallow. Making the entire operation cloud based and connected to the network, these systems create heavy reliance on internet connections for surveillance, the failure of which can lead to the disruption of the entire system. In addition to this, while the VSaaS provides remote tracking, it also may lead to greater complexities as it may sometimes even detect multiple unobjectionable movements and send alarms to all the parties at once causing confusions.

The bottom line therefore remains that while every technology has its pros and cons, it is necessary to understand the needs and the utility of each in order to ensure the best fit. The digital surveillance systems developed by Infinova assure just the right balance with its products. With our diverse range of specialised cameras, devices and systems, you can not only identify the right surveillance needs of your organisation or business, but also set-up the right surveillance camera systems that helps you protect your business just the way you want.

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