



High Tech Security Equipment: The Security Technology of the Future

Security technology has come a long way from the old days of simple locks and keys. With so much to protect and so many potential vulnerabilities, technology has had to adapt to keep pace with the threats. Thankfully, new technology breakthroughs have in some cases, made it easier than ever to prevent access and to safeguard the most vulnerable assets. Read on to learn about some of the advanced technology being used in security these days.



Biometric Access Control Technology

We wrote [about biometric security systems and access control](#) last year, and we have seen increasing usage of biometric systems ever since then. Use of biometrics has been a viable technology for a while, but it made the leap into mainstream technology as affordability came down and technology capabilities improved. This was especially evident when cell phones started to incorporate biometric access systems such as facial recognition technology, fingerprint scanning, and iris scanning technology.

Biometrics are incredibly useful since it is very difficult to breach considering individual biometric traits are unique. Additionally, biometrics prevents user error since access does not require keys or passwords.

Biometrics will likely keep expanding, and it's likely that they will be adopted more and more for [access control systems](#). These systems can also be used for other purposes such as employee clock-ins and digital access control.

Advances in IP (network) Camera Systems



Low-Light Camera Technology

One technology that has proven to be especially useful for security camera systems is low-light video recording technology. Since so much crime occurs during off hours, there has always been a demand for camera systems that can record what is happening even in the dark. For a long time, this simply meant that lighting was also needed to ensure that an area is always well-lit. But now, cameras like the PTZ camera are able to capture high quality color images in a dim light environment with its cutting-edge low illumination level down to 0.002Lux. The difference in video quality is quite literally night and day.



Pan-Tilt-Zoom Motion Detecting & Following Capabilities

Advances in AI and software have enabled cameras to become far smarter than they ever used to be. Similar to biometric access systems, video systems have been programmed to recognize patterns, facial features, motion, and more. This has opened up a litany of options for a camera to do far more than it ever used to. Where cameras previously simply captured a single view, they are now able to rotate and follow motion, detect when motion crosses a

certain threshold (to potentially send an alert), recognize familiar features, and more. While some of this may seem a little bit too life-like, it's a serious benefit for anyone who wants to protect their most valuable assets.



Fully Remote Capabilities

There is rarely a scenario where people do not prefer to use wireless technology over wired technology. While security equipment may stay in the same place, people typically do not. And since it's good to know when a security incident occurs no matter where a person may be, it only makes sense that a security system should be able to communicate directly with your cell phone or mobile device.

While remote and connected security tech is hardly new, it has been expanding at an impressive rate, and many security systems may not even need to be wired in due to advances in battery and solar technology. And when combined with some of the AI-enabled features that come with some PTZ type cameras, it may mean that monitoring what is happening can all be done remotely with digital assistance.

Overall, Technology Will Continue to Shape Security Tech

While it's impossible to know what the threats of tomorrow may be, we do know that technology is going to continue to evolve, which can serve to protect the most valuable things to an organization. Perhaps the next step is that we will see mobile security bots with advanced video technology augmenting or replacing security guards. Or maybe we will see access control systems with facial recognition so good that with recognition, the door will open automatically upon approach, regardless of time of day.

No matter what the future holds, we're excited for the new technologies and we will continue to provide all the top security technology to our clients to keep them safe and protected at all times.

If you're interested in learning more about our solutions, make sure to [contact HSI Security professionals today.](http://www.hsisecurity.com)



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