

# The Future of Security

## 5 TRENDS TO LOOK OUT FOR IN 2019

Take a look at the trends thought leaders predict will dominate the profession in 2019.

Unsurprisingly, **cybersecurity** features high on the agenda, while **technological advances** continue to have a major impact on **physical security** and **integrations**.

### 1. 'Always-on' connectivity

- Physical security is expected to integrate with cyber more than ever, as 'always-on' connectivity can make devices vulnerable.

Hackers could exploit this to disrupt critical industries or gain access to sensitive data.

**Focus on: Edge computing, putting data processing closer to where the data is collected by a video camera or access control device.**



*94% of security specialists consider migration to the cloud a serious concern.*

*58% are actively seeking trustworthy providers. 31% will limit the volume of data stored in the cloud due to security concerns.*

### 2. AI and machine learning

- Machine or deep learning technology is increasingly used to deploy smart video analytics tools.



Use of such technology will increase in 2019, improving security and helping firms derive intelligent insights.

**Focus on: Ensuring implementation is robust, reliable and addresses real customer challenges.**

### 3. Supply chain security

- The supply chain will come under increasing scrutiny. A lack of good cybersecurity practice can result in cybersecurity breaches.

Manufacturers must be confident that every link in their supply chain is as secure as it should be.

**Focus on: Prioritising security – work with suppliers that adhere to the same security principles. Installers and integrators must ensure secure deployment.**

Manufacturers

Distributors

Installers,  
Integrators &  
Maintainers

Consultants &  
Specialists

End Users

### 4. Death of the password

- Passwords are a weak link, as end users juggle passwords for dozens of websites and apps.

Tech firms are tackling this challenge by adopting smarter, frictionless alternatives.

**Focus on: Biometrics combined with behaviour-based systems as an alternative to passwords.**



*15% of IoT device owners don't change default passwords, despite IoT devices seeing tens of thousands of exploitation attempts per day.*

### 5. Smart technology and sustainability

- Working smarter means working sustainably. Smart sensors will play a central role in addressing this.

In a smart city, environmental sensors could trigger a camera to identify fires or spillages, prompting a more rapid and effective response.

**Focus on: Developments in smart sensor integration to prompt 'smart' actions.**



*With thanks to: Raffael Marty, VP, research and intelligence, Forcepoint; Dr Adrian Nash, head of threat intelligence, BAE Systems; Johan Paulsson, CTO of Axis Communications; CYFIRMA; Positive Technologies*

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