

A digital video surveillance system is a surveillance system capable of capturing images and videos that can be compressed, stored or sent over communication networks. Digital video surveillance systems can be used for nearly any environment.

The main difference between a digital video surveillance system and an analog video surveillance system is that a digital video surveillance system is capable of capturing and storing the video signal in a digital format. Since the data is captured in a digital medium, this eliminates the need for any conversion. Most digital video surveillance solutions are capable of being managed from anywhere and provide interoperability. The cameras are networked and footage is digitally archived, which is considered economical for most businesses.

There are many benefits associated with digital video surveillance systems. Compared to analog systems, digital video surveillance systems are easier to install and use. They have superior quality for video and sound data, and compared to an analog signal, digital information can be transmitted faster. Moreover, the videos or images have no problems with degradation. Scalability is better for digital video surveillance systems than traditional analog systems. Digital cameras can offer wider viewing angles and high-definition clarity for the captured images or videos. Compared to its analog counterpart, digital video surveillance is more cost-effective. Digital video surveillance systems also can close the gaps in security coverage unlike analog systems with help of distributed intelligence. There is increased productivity among employees who are involved in security and monitoring due to the capabilities of digital video surveillance systems.

Advanced digital video surveillance systems have several additional capabilities, such as integration with apps for remote access or accessing control systems.