



## ANGLAIS

### **CCTV Technology**

Electronic security systems have become a mainstay of any comprehensive and cohesive security management program. Closed Circuit Television (CCTV) technology has developed extensively over the past decade and enhanced the surveillance capabilities of security departments in both the private and public sectors. A standard CCTV system consists of the cameras, a data transmission medium, monitors for viewing the footage<sup>1</sup>, keyboards and other equipment for controlling the system and computer hard drives for storing recorded images.

The hardware item that is most representative of a CCTV system due to its visibility is the camera. The cameras are clearly visible in most instances and, along with appropriate signage<sup>2</sup>, aim to deter people from engaging in illegal or inappropriate behaviour, although opinions relating to the effectiveness of CCTV as a crime deterrent vary. CCTV cameras are either fixed focus or Pan, Tilt, Zoom (PTZ), by design and each type serves a different purpose. Fixed focus cameras are employed in areas where the required field of view generally remains unchanged, although fixed cameras can be fitted with manual zoom lenses. These cameras can be found in foyers and waiting areas in facilities such as banks, hospitals and airport lounges, for example. PTZ cameras are designed to pan (move from side to side), tilt (move up and down) and to zoom (in and out) as directed by the control room operator. These cameras are generally employed outdoors, cover larger areas than the average fixed camera and enable the operator to zoom in on an item, or individual, and track moving vehicles or persons on foot that are of particular interest. Systems incorporating PTZ cameras are generally monitored and operated by security personnel, while smaller CCTV systems, with only a few cameras, may not require constant monitoring and may simply record the images for evidentiary purposes.

While the original CCTV cameras were analogue, and these can still be seen in operation today, the most recent technological advances have been in the development of Internet Protocol (IP) cameras and systems. A network IP camera is a stand-alone device which allows a user to view live, full motion video from anywhere on a computer network, and over the Internet, using a standard web-browser<sup>3</sup>...

One of the many advantages of IP technology is that it allows the user to record the images that are captured by the camera to a secure location that is situated remotely from the site where the camera is located, thus providing an added level of security against the threat of data interception and theft. IP systems also support additional analytical functions like Video Motion Detection.

<http://www.customs.gov.au/site/page5971.asp>

#### Footnotes

1 séquence video

2. signalisation

3. navigateur Internet

**READING COMPREHENSION**

**(10 marks)**

**A. Find what the underlined words refer to in the text.** **(1.5 marks)**

1. "The hardware item" -----
2. "the operator" -----
3. "One" -----

**B. Say whether these statements are True or False. Justify by quoting the text.** **(2 marks)**

4. In a CCTV system, most cameras are hidden to the public.  
-----  
-----
5. Both types of cameras off the same viewing capacities  
-----  
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6. In all CCTV systems, there are operators in place for monitoring.  
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7. The IP cameras can provide images to any viewers within a specified area.  
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**C. Complete the following chart with information from the text.** **(1.5 marks)**

**Electronic Security System: CCTV**

**8. Aim of the System:**

- a. -----  
-----

**9. Components:**

- b. -----
- c. -----
- d. -----
- e. -----
- f. -----

**10. Cameras: (Tick  $\checkmark$  the right box for the Application Areas)** **(2.5 marks)**

Types	Systems Management Specificities	Application Areas	
		Indoor Use	Outdoor Use
<b>g.</b> -----	<b>h.</b> ----- -----	$\checkmark$	<b>i.</b> ----
<b>j.</b> -----	zoom in on an item, or individual, and track moving vehicles or persons on foot that are of particular interest	<b>k.</b> ----	<b>l.</b> ----
<b>m.</b> -----	<b>n.</b> ----- -----	<b>o.</b> ---	<b>p.</b> ----

**D. Vocabulary in Context: Circle the letter of the correct answer for each word.** **(2.5 marks)**

**11.** "become a **mainstay**" **mainstay** means

- a. site b. weak part c. basis

**12.** "**enhanced** the surveillance capabilities" **enhanced** means

- a. decreased b. increased c. included

- 13. “due to its **visibility**” visibility means
- 14. capacity to show clearly                      b. exposure to public view                      c. proximity with the public
- 15. “CCTV as a crime **deterrent**” means CCTV as a crime
- a. prevention    b. instigator    c. regulator
- 16. “images for **evidentiary purposes**” **evidentiary purposes** means
- a. Sharing purposes                                      b. giving proof    c. providing documentation

**LINGUISTIC COMPETENCE**

**(6 marks)**

*Complete the sentences using the correct compound prepositions in the box.*

**(1.5 marks)**

<b>FOR THE PURPOSE OF</b>	<b>IN ACCORDANCE WITH</b>	<b>OWING TO</b>	<b>BY MEANS OF</b>
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- 17. The use of CCTV systems for security purposes should be done ----- the legislation protecting people’s privacy.
- 18. The reduction of crime in some major cities like London has been remarkable ----- the introduction of CCTV systems
- 19. ----- storing huge quantities of data, powerful but small storage system have been developed.

*Complete the sentences with the right form of the underlined words.* **(1.5 marks)**

20. Another **advantage** of 'twisted pair' is that four pairs of wires are incorporated into the one cable and so four cameras can be connected on the one cable run.

Another ----- aspect of 'twisted pair' is that four pairs of wires are incorporated into the one cable and so four cameras can be connected on the one cable run.

21. The system can **function** if people are responsible enough not to deteriorate the infrastructure. It can be a -----system if people are responsible enough not to deteriorate the infrastructure.

22. The cameras are positioned so that they can **detect** any movement of people or vehicles. The cameras are positioned in such a way that they make people or vehicles -----.

Put the verbs in brackets in the correct tenses and forms. **(2 marks)**

In most modern big cities, cameras are everywhere -----<sup>23</sup> (**to find**). At first, city dwellers -----<sup>24</sup> (**to react**) rather negatively, expressing a strong opposition to their installation. For a long time some of them -----<sup>25</sup> (**to think**) that it was a violation of their private life until terrorists were identified and caught thanks to cameras. Now, little by little, the idea -----<sup>26</sup> (**to accept**) that a CCTV system is an efficient contribution to their own security.

*Reorder the words to make a correct sentence.* **(1 mark)**

27. **becoming / communities / CCTV / increasingly / fight / western / is / crime / widespread**

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**WRITING: Choose one topic and write about 150 words.** **(4 marks)**

**Topic 1**

A CCTV System is an invention which can offer us security, but they can be used to violate our private life. Write a letter to the editor and give your arguments.

**Topic 2:**

Man tends to depend more and more on machines for his day to day life. What benefits do they offer? What possible risks are there? Give your opinion.