

RESOLUTION NO.

RESOLUTION ESTABLISHING THE MINIMUM TECHNOLOGICAL
STANDARDS FOR INSTALLATION AND MAINTENANCE OF A VIDEO
SURVEILLANCE SYSTEM AS REQUIRED BY
CEDAR RAPIDS MUNICIPAL CODE CHAPTER 60A

WHEREAS, Chapter 60A of the Cedar Rapids Municipal Code requires certain businesses within the City to obtain, install and maintain video surveillance systems, and

WHEREAS, Cedar Rapids Municipal Code Section 60A.5 "Minimum Technological Standards" requires that minimum standards are established to govern the technical capabilities of these video surveillance systems, and

WHEREAS, the Police Department has proposed a set of minimum technological standards for the required video surveillance systems consistent with current technology, and

WHEREAS, the City Council finds that these standards are necessary to ensure the quality of the image produced by these surveillance systems and do not exceed reasonable costs of procuring and operating these systems,

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CEDAR RAPIDS, IOWA, that this Resolution is hereby enacted to establish appropriate minimum technological standards for video surveillance systems as required by Cedar Rapids Municipal Code Section 60A.5, and

BE IT FURTHER RESOLVED, that the video surveillance systems shall be Digital Video Recorder (DVR) based systems and that such systems will be configured and installed in a way that meets the guidelines outlined below:

Digital Video Recordings:

The DVR used for this purpose shall adhere to the following guidelines:

1. Have one dedicated channel for each camera in operation.
2. Analog Digital Video Recorders shall record at least D1 resolution (704x480). High Definition Digital Video Recorders shall record at least 720P (1280x720).
3. Analog camera systems shall have the capacity to record at seven frames per second, per camera. For example, a system with 10 cameras would need to have a DVR capable of recording at least 70 frames per second. High Definition Digital Video Recorders shall have the capacity to record at five frames per second, per camera.

4. Shall have enough storage to retain data from all cameras for a period of thirty days.
5. Possess the ability to view and retrieve data while the system remains in operation.
6. Possess the ability to time stamp the recorded images.
7. Digital Video Recorder must be capable of exporting exact duplicates of their recordings to a standard removable media format (e.g. CD, DVD, Flash Drive) to be delivered along with any proprietary file viewers necessary to enable Police Department officials to view the exact duplicate recordings.
8. Shall be placed in a locked and secured location to prevent destruction or tampering.

Cameras

1. Analog video cameras must have an output resolution with a minimum of 500 Total Vertical Lines (TVL) of resolution. High Definition video cameras must have an output resolution of at least 1280 pixels in the horizontal direction and 720 pixels in the vertical direction (720P).
2. All cameras shall have the ability to record color images during sufficient lighting and record in black and white during hours of low light.
3. Outdoor cameras must have IR illuminators if in low light areas.
4. Each camera shall have a clear and unobstructed view of the area of desired coverage.
5. Analog cameras shall be positioned to capture "Head and Shoulder" images at exits and entrances. The "Head and Shoulder" image shall take up approximately 60% of the image captured.

Digital Video Recorder Monitors

1. Each system shall have a monitor that may be accessed by the Police Department for viewing of the recorded images.
2. The monitor shall have a screen no smaller than fifteen diagonal inches.

Power Supply:

1. Each system shall have a dedicated power source to prevent intentional or accidental deactivation.

Passed this 12th day of May, 2015.