

# Attachment A

## Technical Specifications for Security Camera Systems

### 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. Shall record at least 640 X 480 recording resolution level.
3. Shall have the capacity to record at fifteen frames per second, per camera. For example, a system with 10 cameras would need to have a DVR capable of recording at least 150 frames per second.
4. Shall have enough memory to retain data from all cameras for a period of thirty days. One estimate has been provided that this would equal approximately 40 GB of hard drive memory per camera.
5. Possess the ability to view and retrieve data while the system remains in operation.
6. Possess the ability to time stamp and “watermark” the recorded images.
7. Possess the ability to produce a DVD-R copy of desired data for evidentiary purposes in a format playable via Windows Media Player or a standard DVD player.
8. Shall be placed in a locked and secured location to prevent destruction or tampering.

### Cameras

1. Operate with a minimum of 480 Total Vertical Lines (TVL) of resolution.
2. The camera shall have the ability to record color images during sufficient lighting and record in black and white during hours of low light.
3. Each camera shall be matched to each specific application taking into consideration:
  - a. Distance to target image.

b. "Lux rating" or compatibility with the amount of light available to include excessive amounts of sunlight.

c. View angle of camera in relation to area of desired coverage.

4. Each camera shall have a clear and unobstructed view of the area of desired coverage.

5. Cameras shall be positioned to capture "Head and Shoulder" images of every parking space, as well a clear view of each vehicle's license tag at the exits and entrances to the entire parking area, of each establishment that is governed by this ordinance.

### **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 be of a Liquid Crystal Display (LCD) design with a screen no smaller than fifteen diagonal inches.

### **3. Power Supply**

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