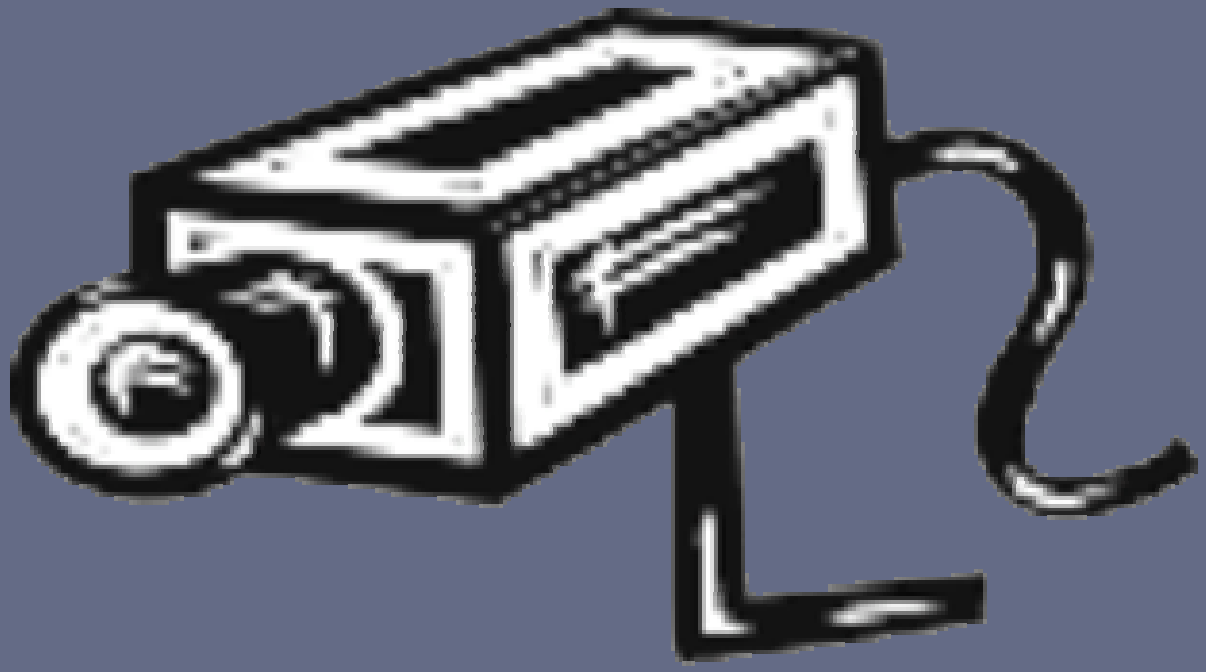
Security Cameras



Oakland Police Neighborhood Services Division

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Why Should You Consider Purchasing a Camera for your Residence or Business?

- Catch criminals with video footage
  - Evidence
- Deterrence
  - Visual
  - Motion detection
- Neighborhood Security
  - Shared Cameras
  - Sharing Information
- Affordability!

How Do You Make Sense of all the Technology Choices?

- Several Choices
- Wired vs. Wireless
- Analog vs. Internet Protocol (IP)
- Different Price Points
- Different Installation Set-ups
- All Do About the Same!
- Cameras record digitally
- You can access online (anywhere!)
- You can work with a smart phone – motion detector

Camera Basics

- **Camera**

- **DVR:** Digital Video Recorder.

A computer that records video to a hard disc drive. Most DVRs have enough storage to record footage for 2-3 weeks.

DVRs come with 4, 8, 16, or 32 channels – each channel allows for a camera hook-up.

- **Monitor:** Television, computer, Smart phone, other

Camera Basics

- **Motion-activated:** Many camera systems available today have built in motion detectors that can serve several purposes:
  - Trigger recording --> saves space on your DVR because you are only recording significant events.
  - Send email or SMS updates --> Notifies you when an event is occurring on your property.
  - More for indoor--> Outside there is often too much normal motion to distinguish typical movement from a home invasion robbery.

- **Infrared (IR):** Almost all cameras include built in infrared LED's that allow the camera to record in the dark. This technology works best in conjunction with outside lights.

- **Powerlining:** A system where video streams through normal electrical outlets (Logitech Model)

Closed Circuit Television (CCTV)

- Conventional Technology **– now with better cameras and MUCH more affordable**
- Most commonly purchased
- Wired – standard coax cables (like cable TV)
- Attaches to a DVR - weeks of recording time
- Pro: Reliable, stable, signal cannot be intercepted
- Pro: Cameras do not need electrical outlets – powered through cables
- Pro: Allows for many cameras, can be replaced by better cameras
- Con: Requires wire routing installation through attic, roof or walls
- Con: Resolution not as good as high-end IP – but good enough for single family residence
- Examples*: Q-SEE QT428-436-5 ($300: 4 cameras, 8 channel DVR, cables) – purchased by a Lincoln Heights resident

Standard DVR