

2.2.1. SCANNING TECHNOLOGIES

1. Flying Spot

Mechanisms:

Electron beam

Electromechanical

Diffraction

Phased array

Analog TV camera

Drum scanner

Supermarket scanner

Radar

Aperture effects: illuminating spot
read spot
dwell time

2. Focal Plane Arrays

Mechanisms:

1D array with electromechanical scan

2D staring mosaic

CCD or CID

Aperture effects: size of photosensitive cells
dwell time