

Distinguish, differentiate, compare and explain what is the difference between CCD and CMOS. Comparison and Differences.

Difference between CCD and CMOS

1. In terms of Mechanism: In CCD, digital signal processor is required to change the signal from an analog to a digital value. In CMOS, digital signals can be transmitted with a digital signal processor.
2. In terms of Quality: In CCD, low-noise images are of better quality and images can have more pixels. In CMOS, images are of lower quality, lower resolution and more susceptible to noise
3. In terms of Power Consumption: CCD consumes more power as compared to CMOS which require less power.
4. CCD have flexible lens focus system whereas CMOS have limited range for lens focus.

Steady Run