

Title: Charge coupled device definition

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A charge-coupled device (CCD) is a metal oxide semiconductor chip sensor that transports electrically charged signals. A CCD generally has an array of cells to capture a light image ...

What is a charge-coupled device (CCD)? A charge-coupled device (CCD) is a light-sensitive integrated circuit that captures images by converting photons to electrons.

Charge-Coupled Devices (CCDs) are critical components in digital imaging systems, serving as highly sensitive image sensors that convert light into electronic signals.

The meaning of CHARGE-COUPLED DEVICE is a semiconductor device that is used especially as an optical sensor and that stores charge and transfers it sequentially to an amplifier and detector ...

CHARGE-COUPLED DEVICE (CCD) Definition A charge-coupled device (CCD) is an analog shift register, enabling analog signals, usually light, manipulation - for example, conversion into a digital ...

A charge-coupled device (CCD) is an integrated circuit containing an array of linked, or coupled, capacitors. Under the control of an external circuit, each capacitor can transfer its electric charge to a ...

Charge Coupled Device (CCD) is a simple shift register used to store and transfer analog signals and electrically or optically injected charge carriers.

CCD, Semiconductor device in which the individual semiconductor components ...

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