

CAMERA APPLICATIONS IN A HANDHELD DEVICE

ABSTRACT

A hand held device containing at least one camera can perform various functions. In some embodiments, digitized images taken with two or more camera lenses having different fixed focal lengths may be combined to emulate a high-resolution optical zoom, and may also permit the device to perform 3D applications. In other embodiments, a device containing a camera may perform as a bar code reader, and may wirelessly transmit and/or visually present a bar code to other devices. Movable optics may permit the same camera to focus on either distant objects or on a close-up bar code.

(FIG.1)