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Abstract
As the prevailing of digital cameras and the increasing memory capacity of flash disks, intelligent frame would be more versatile than traditional photoes which are not easy to store and have higher developing price. Through a 2.7-inch TFT LCD Panel, intelligent frame apresented in this paper will utilize digital image processing skill and show images througth a 2.7-inch TFT LCD panel. Moreover, the digital images could be picked out from the computer in the controlling center and be showed on the Intelligent Frame of the subscribers Via Ethernet .
In this paper, the CF card , LCD driver , LCD panel and Advanced RISC machine are employed to implement .The propesed intelligent frame . Embedded System Chip S3C4510 is used as the controlling center. In this way, the digital images are shown when Linux Drive Surface Circuit (SPLC320A) is linked to the chip through TFT LCD Panel. Concerning about the Internet skill, half-delux information transmision socket of Linux Platform and API on screen both help to complete the Internet transmision. With the function of the Internet, intelligent frame would be a hot-fed in the information market.
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