

Operation Description Digital Camera

This Digital camera is powered by 3Vdc. (UM3-AA LR06 size Batteries). It has the features: three resolution (800*600, 1280*960 and 1600*1200) and movie function, with Color LCD monitor, USB port output for upload images and PC camera mode, SD memory card compatibility, 4 x digital zoom, flash light ON, OFF or Auto select, TV video out (PAL or NTSC selectable), slide show on the LCD monitor or TV screen, Date / Time insert, auto power off (1, 2 minutes or no limits selectable), erase current photo erase all photos or format all datas.

Refer to the block diagram, the circuit description is listed as follows :

- Sensor and associated circuit act as clip photo image
- Strobe and associated circuit act as light source to photo clip
- Real Time Clock and associated circuit act as provide clip time to photo image
- USB and associated circuit act as camera and computer link
- TV out and associated circuit act as provide TV signal to TV
- DSP and associated circuit act as clip, display and storage photo images
- TFT display and associated circuit act as preview and playback photo images
- SDRAM and associated circuit act as storage temp photo and process
- Nand Flash and associated circuit act as storage program and photo images
- SD Card and associated circuit act as storage photo images
- Power Supply and associated circuit act as provide all circuits power