

Operation description

The equipment under test (EUT) is capable to display photo download from personal computer and power by a built-in rechargeable Lithium battery at DC 3.7V. A simple LCD clock power by button cell at 1.5V is integrated.

The brief circuit description is listed as follows:

- IC U1 ST2203 (4MHz for fast clock and 32.768kHz for slow clock) and associated circuit act as USB connection and data processing.
- IC U2 SST39VF1681 and associated circuit act as data storage.
- IC LDO1 XC6202 and associated circuit act as Low Drop Out voltage regulator.
- IC U3 KC6096B and associated circuit act as a simple LCD clock.