

## TECHNICAL DESCRIPTION

- Circuit operation:

1. Take pictures
2. Store and transfer photos between PC and camera
3. Catch a short movie
4. Store and transfer AVI movie to PC
5. Used as a PC camera.

- Components Description

Category	Name	Part number	Description
IC U1	Micro control unit	SQ906-L	Control every function of the DSC based on the input data from PC or user
IC U2, Transistor Q1, Q2,	Power control circuit	AIC1732-33CX, SI2301DS,	Convert battery to 2.5 and 3.3V for IC operation, and convert USB 5V to recharge the battery.
IC U3	USB Port	USB mini-B type 5-pin	Link the PC to the camera, with +5V, GND, Data in and Data out.
IC U4	SDRAM	VDS7616V-4A	8x16M Bytes SDRAM. Store captured images
IC U5	Nor Flash	SST39VF010	Store program code for MCU U1 running
IC U6	CMOS sensor	MI-1300	Convert the optical signals into R-G-B format electronic digital signals
LCD		LCD 1	Display all operating status that listed in the user manual

RECEIVED 1 2 NOV 2003