Specifications of PS970

1.Model NO:	PS970
2.Product Name:	Film & Photo Digital scanner
3.Specifications	
Function	Scanner(120&135)&Photo Scanner(Max:5X7)
	Film type:negative,slide,B&W negative
Image Sensor	OV5620 5.1 mega pixels CMOS sensor
DSP	Coach9S
LCD	GP 2.36"
	Number of Dots(dot):640(H)x240(v)
	Dot pitch(mm):0.0635(H)x0.127(V
	Active area(mm):40.672(H)x30.48(V)
Lens	F/3.6, f=4.83 3G2p
	Film Range:51.5mm photo Range:171mm
Frequency	12MHZ
MAX POWER	1.5W
Power Supply	Powered from USB
Focus Range	Fixed focus
File Formats	Image JPG
Exposure	Auto
Color balance	Auto
Interface	USB 5PIN, Black
Scan high resolution	5M equal to 1,800 dpi(enhances to 3,600 dpi via interpolation)
Data conversion	12 bits per color channel
Scan Method	Single pass
Button	Power,Mode,Enter,Left,Right,Copy,Photo/Film switch Focus(Light souvce)

LED indicator	1)Red:Film Scanner　　Green:Photo Scanner
Light source	7*2 white LED
	Backlight(3 white LED)
OSD-language	English,French,German,Italian,Spanish,Traditional Chinese,Simplify Chinese,Japanese
Dimension	220MM(L)*208MM(W)*147MM(H)
Weight	1200G
Accessories	
Color Box	
CD Drive	**NO**
USB Cable	5PIN
AC Power Adapter :input:100-240V~50/60HZ　　output:+5.0V,1.0A	
User's Manual	English

Operation:

DSP recognize the data signal of IMAGE after the image
get into the CMOS Sensor

IMAGE information will be saved by JPG format
in Resident nand flash ROM or external SD card

5.1M
CMOS
SENSOR

DSP
COACH9S

DDR
RAM

Resident
nand flash
ROM

External
card
memory

power
manager

3.3V 200mA
1.8V 100mA
2.5V 100mA
2.8V 150mA

DC&USB
Input

PC

Adapter
DC5V/ 1A

FILM

PHOTO
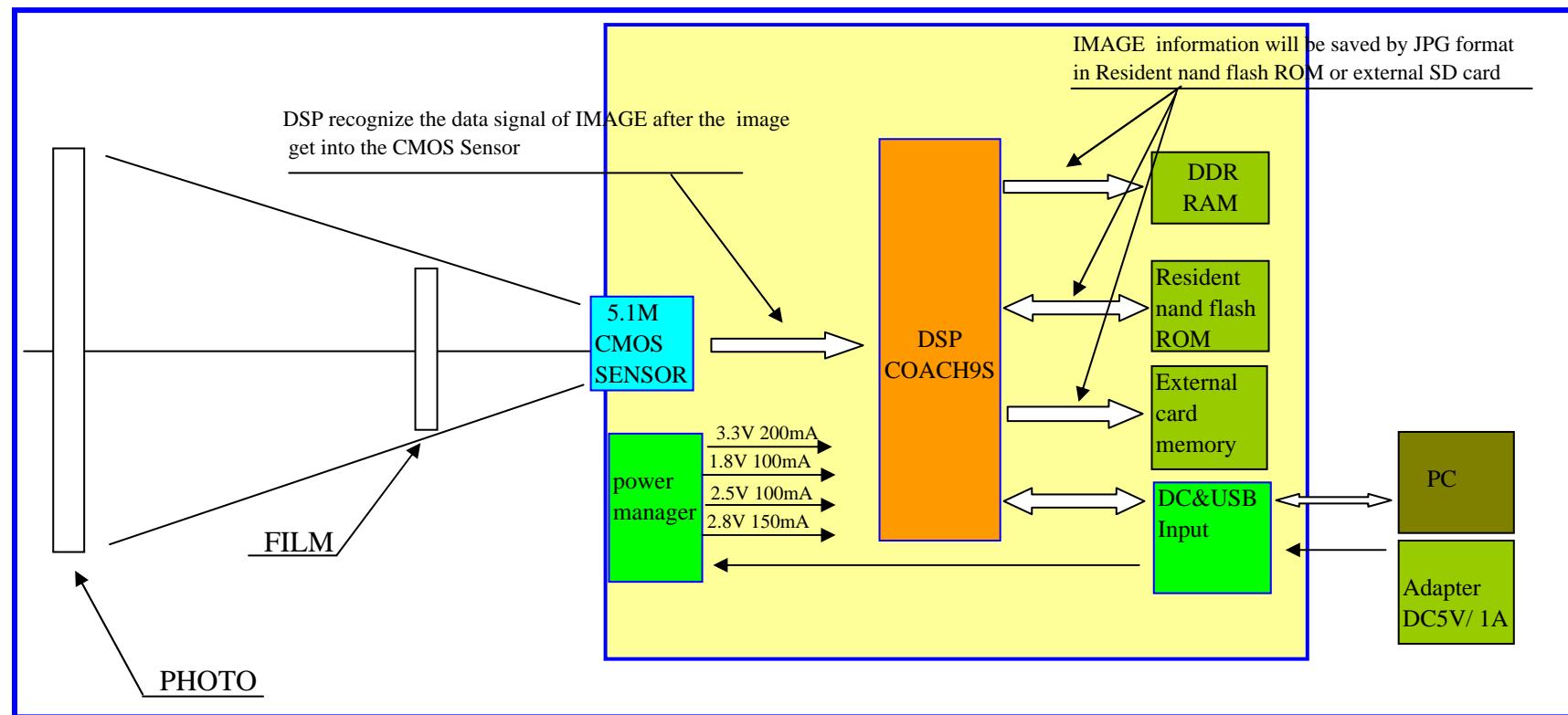
Principle of work

1)Capture mode: DSP recognize the data signal of IMAGE after the image get into the LENS, it'll be saved by JPG format in Resident nand flash ROM or external SD card

2   SD card Play back mode: Insert the SD card with images into the machine, and choose the play back function, after the image is processed, it'll appear on the LCD screen, and realize the play back function.

3   USB Mode: The files in Resident nand flash ROM or External card memory can be transmissed into computer through the DSP, and the computer will recognize it.