

# DSC-P30/P50

## SERVICE MANUAL

Level 2



Ver 1.1 2001.05

Cyber-shot



MEMORY STICK



Photo: DSC-P50

US Model  
Canadian Model  
AEP Model  
UK Model  
E Model  
Hong Kong Model  
Australian Model  
Chinese Model  
Korea Model  
Tourist Model  
Japanese Model  
DSC-P30/P50  
Argentina Model  
Brazilian Model  
DSC-P30/P50

This service manual contains information for Japanese model as well.

### On the SY-66 board

This service manual provides the information that is premised the circuit board replacement service and not intended repair inside the SY-66 board. Therefore, schematic diagram, printed wiring board and electrical parts list of the SY-66 board are not shown. The following pages are not shown.

### SY-66 board

Schematic diagram ..... Pages 4-11 to 4-26  
Printed wiring board ..... Pages 4-7 to 4-10  
Electrical parts list ..... Pages 6-9 to 6-14

The above-described information is shown in service manual Level 3.

## SPECIFICATIONS

### System

**Image device**  
6.64 mm (1/2.7 type) color  
CCD  
**Lens**  
7x zoom lens  
f = 6.4 ~ 28.2 mm (35mm  
equivalent)  
(4.5 ~ 22.5 mm (1.5x ~ 4.5x  
magnification) when extended lens is  
33 mm shift camera)  
F = 3.8 ~ 3.9  
**Exposure control**  
Automatic exposure  
**White balance**  
Automatic, Indoor, Outdoor,  
Solid  
**Date system**  
Movie: MDPG1  
Still: PPG1, QP (a TRDT  
mode, Clip Movie), TDP  
**Recording medium**  
"Memory Stick"

### Flash

Recommended recording  
distance (ISO is set to AUTO):  
0.3 m to 3.0 m  
(11.15 ft to 9.84 ft to  
9.84 ft to 9.84 ft)

### Output connector

**VIDEO OUT**  
MiniJack  
Video: 3 Vp-p, 75 Ω  
unbalanced, sync negative  
**USB jack**  
mini-B

### LCD screen

Used LCD panel  
1.5 type TFT (Thin Film  
Transistor active matrix) drive  
Total number of dots  
123 300 (340x220) dots

### General

**Used battery**  
Two size AA alkaline  
batteries: 3 V  
NP-PS11: 3.6 V (not supplied)  
**Power consumption**  
(during recording)  
2.8 W  
**Operation temperature**  
0°C to 40°C  
(32°F to 104°F)  
**Storage temperature**  
-20°C to +60°C  
(-4°F to +140°F)  
**Maximum illumination**  
1246 L (240.7 lux)  
(5x2 LCD: 148 lux)  
(with)

### Mass

Approx. 260 g (9.2 oz)  
(including two size AA  
batteries, "Memory Stick,"  
wrist strap and lens cap etc.)

### AC-LS1A AC power adaptor (not supplied)

**Power requirements**  
100 to 240 V AC, 50/60 Hz  
**Rated output voltage**  
DC 4.2 V, 1.3 A in operating  
mode  
**Operation temperature**  
0°C to 40°C (32°F to 104°F)  
**Storage temperature**  
-30°C to +60°C  
(-4°F to +140°F)  
**Maximum dimensions**  
105x36x36 mm  
(4.14x1.42x1.42 inches)  
(excluding protruding  
protrusions)  
**Mass**  
Approx. 180 g (6 oz)

### NP-PS11 battery pack (not supplied)

**Used battery**  
Lithium ion battery  
**Maximum voltage**  
DC 4.2 V  
**Normal voltage**  
DC 3.6 V  
**Capacity**  
4.1 Wh (1 340 mAh)  
**Accessories**  
VID EO connecting cable (1)  
Size AA alkaline batteries (2)  
USB cable (1)  
Lens cap (1)  
Lens cap strap (1)  
Wrist strap (1)  
"Memory Stick" (4 MB) (1)  
CD-ROM (2)  
Operating Instructions (1)

Design and specifications are  
subject to change without  
notice.

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**IM Harris**



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