

DSC-S30/S50

SERVICE MANUAL

Level 2

Ver 1.3 2004. 07



Cyber-shot



Photo : DSC-S30

US Model
Canadian Model
AEP Model
UK Model
E Model
Hong Kong Model
Australian Model
Chinese Model
Korea Model
Tourist Model
Japanese Model

This service manual contains information for Japanese model as well.

On the SY-58 board

This service manual provides the information that is premised the circuit board replacement service and not intended repair inside the SY-58 board.
Therefore, schematic diagram, printed wiring board and electrical parts list of the SY-58 board are not shown.
The following pages are not shown.

SY-58 board

Schematic diagram Pages 4-15 to 4-30
Printed wiring board Pages 4-11 to 4-14
Electrical parts list Pages 6-11 to 6-15

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

SPECIFICATIONS

System

Image device

1/2.7 type color CCD

Lens

3x zoom lens

$f = 6.1 - 18.3 \text{ mm}$

(29 - 11.7 mm when converted into a 35 mm still camera)

$F = 2.8 - 2.9$

Exposure control

Automatic exposure

White balance

Automatic, Indoor, Outdoor,

Hold

Data system

Still: JPEG, GIF (to TEXT mode), TIFF

Movie (DSC-S50 only):

MPEG-1

Audio with still image

(DSC-S50 only):

MPEG-1 (stereosound)

Recording medium

"Memory Stick"

Flash

Recommended recording

distance:

11 7/8 inches to 9 1/4 feet
(0.3 m to 2.8 m)

Output connector

A/V OUT (Monaural) (DSC-S50 only)

MiniJack

Video: 1 Vpp, 75 ohm,

unbalanced, sync negative

Audio: 327 mV (at a

47 kohm load)

Output impedance:

1.2 kohm

VIDEO OUT

(DSC-S50 only)

MiniJack

Digital I/O (USB)

Special miniJack

LCD screen

Used LCD panel

2 type TFT (Thin Film

Transistor active matrix) drive

Total number of dots

123 300 (360x220) dots

General

Used battery pack

NP-FM50

Power requirements

8.4 V

Power consumption

(during recording)

2.9 W

Operation temperature

32°F to 104°F

(0°C to 40°C)

Storage temperature

-4°F to +140°F

(-30°C to +60°C)

Maximum dimensions

4 1/2 x 2 3/4 x 2 3/4 inches

(113 x 68 x 59 mm) (width)

Mass

Approx. 13 oz (370 g)

(including battery pack NP-FM50, "Memory Stick", wrist strap and lens cap etc.)

Built-in microphone

(DSC-S50 only)

Electret condenser microphone

Built-in speaker

(DSC-S50 only)

Dynamic speaker

AC-L10 AC power

adaptor

Power requirements

100 to 240 V A.C., 50/60 Hz

Rated output voltage

DC 8.4 V, 1.5 A in operating

mode

Operation temperature

32°F to 104°F (0°C to 40°C)

Storage temperature

-4°F to +140°F

(-30°C to +60°C)

Maximum dimensions

2x1 3/16 x 2 1/2 inches

(1.23 x 39 x 52 mm) (width)

Mass

Approx. 10 oz (280 g)

NP-FM50 battery pack

Used battery

Lithium ion battery

Maximum voltage

DC 8.4 V

Nominal voltage

DC 7.2 V

Capacity

8.5 Wh (1.180mAh)

Design and specifications are subject to change without notice.

DIGITAL STILL CAMERA

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Table of Contents Sony Dsc S50 User Manual

1. Understanding the eBook Sony Dsc S50 User Manual
 - The Rise of Digital Reading Sony Dsc S50 User Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Sony Dsc S50 User Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Sony Dsc S50 User Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Sony Dsc S50 User Manual
 - Personalized Recommendations
 - Sony Dsc S50 User Manual User Reviews and Ratings
 - Sony Dsc S50 User Manual and Bestseller Lists

5. Accessing Sony Dsc S50 User Manual Free and Paid eBooks
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 - Sony Dsc S50 User Manual eBook Subscription Services
 - Sony Dsc S50 User Manual Budget-Friendly Options
6. Navigating Sony Dsc S50 User Manual eBook Formats
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 - Sony Dsc S50 User Manual Compatibility with Devices
 - Sony Dsc S50 User Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sony Dsc S50 User Manual
 - Highlighting and Note-Taking Sony Dsc S50 User Manual
 - Interactive Elements Sony Dsc S50 User Manual
8. Staying Engaged with Sony Dsc S50 User Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sony Dsc S50 User Manual
9. Balancing eBooks and Physical Books Sony Dsc S50 User Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sony Dsc S50 User Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Sony Dsc S50 User Manual
 - Setting Reading Goals Sony Dsc S50 User Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Sony Dsc S50 User Manual
 - Fact-Checking eBook Content of Sony Dsc S50 User Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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