

# DSC-S30/S50

## SERVICE MANUAL

Level 2

Ver 1.3 2004. 07



Cyber-shot



MEMORY STICK



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

$f = 5.1 - 15.3 \text{ mm}$

(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):

MPEG1

Audio with still image

(DSC-S50 only):

MPEG1 (stereosound)

#### Recording medium

"Memory Stick"

#### Flash

Recommended recording

distance:

11 7/8 inches to 9 1/4 feet  
(0.3 m to 2.5 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 (360×220) dots

#### General

#### Used battery pack

NP-FM50

#### Power requirements

3.4 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 1/2×2 3/4×2 3/4 inches

(113×68×59 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 3.4 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

2×1 3/16×2 1/2 inches

(51×39×63 mm) (width)

### Mass

Approx. 10 oz (280 g)

### NP-FM50 battery pack

#### Used battery

Lithium ion battery

#### Maximum voltage

DC 3.4 V

#### Nominal voltage

DC 3.2 V

#### Capacity

8.5 Wh (1.180mAh)

Design and specifications are subject to change without notice.

DIGITAL STILL CAMERA

SONY®

# Sony Dsc S30 Manual

**Gary Friedman**



## **Sony Dsc S30 Manual:**

**Atmospheric and Biological Environmental Monitoring** Young Kim,Ulrich Platt,Man Bock Gu,Hitoshi Iwahashi,2009-06-04 The extent of harmful effects of pollution on atmospheric terrestrial and aquatic environments can be translated into extreme temperature changes dirty air clean water shortages and increased incidence of toxicity that harms every life on earth Within a lifetime our environment is changing drastically Much of the information of environmental pollution impacts needs to be studied from the mechanism of toxic nanoparticles on the molecular level to the detection of trace gases on the satellite perspective It is therefore essential to develop advanced monitoring techniques efficient process technologies and health impact assessment tools to fill the gaps in our scientific knowledge This edition of Atmospheric and Biological Environmental Monitoring is a handful of recent developments and techniques from environmental scientists in well diversified fields These collections of manuscripts are extracts from the recently concluded 7th International Symposium on Advanced Environmental Monitoring organized by the ADvanced Environmental Monitoring and Research Center ADEMRC Gwangju Institute of Science and Technology GIST Korea and held on February 25-28 2008 in Honolulu Hawaii The three parts highlight important aspects of emerging environmental monitoring technologies Atmospheric Environment Contaminants Control Process and Environmental Toxicity Assessment Observational tools presented in the first part ranges from in situ measurements to satellite remote sensing for atmospheric monitoring Highlighted in the second part is the recently developed water quality monitoring system for lake stratification and membrane technologies for detection and removal of contaminants Lastly toxicity monitoring of endocrine disruptors and nanoparticles are highlighted in the third part with new discoveries **Macworld** ,2000-09 **Popular Photography** ,2002 Popular Photography ,2006-01 *Sound & Vision* ,2002 **Popular Photography** ,1984-10 **Popular Photography** ,1984-02 **The New York Times Index** ,2005 **Sony DSC-RX10 IV User Guide** Luther Yange,2025-06-14 Master your Sony DSC RX10 IV and unlock its full potential with this comprehensive easy to follow guide Whether you're a complete beginner or an enthusiast eager to elevate your photography this book is your ultimate companion for maximizing every feature of this powerful all in one camera From initial setup to professional level customization you'll discover practical instructions expert tips and creative techniques to capture stunning photos and cinematic videos Inside this guide you'll learn how to Set up your RX10 IV the right way for photography and video Master autofocus modes exposure settings and creative styles Shoot professional quality videos with expert audio and video settings Capture breathtaking slow motion footage using High Frame Rate HFR recording Use wireless connectivity features like Wi-Fi NFC and Bluetooth Customize controls assign functions and create a workflow that suits your style Maintain your camera for peak performance and longevity Troubleshoot common issues with step by step solutions Unlock hidden features and expert level shortcuts for professional results Perfect for photographers vloggers and filmmakers this user friendly manual will guide you to make the most of your investment in the Sony DSC RX10

IV whether you're capturing landscapes portraits wildlife or cinematic productions **Sony DSC-RX10 IV Beginner's Guide** Happiness Anikwe, 2025-06-14 Unlock the full potential of your Sony DSC RX10 IV with this comprehensive beginner's guide designed to take you from unboxing to capturing stunning photos and professional quality videos Whether you're completely new to photography or upgrading to the powerful RX10 IV this manual breaks down complex features into easy to follow steps Discover how to navigate the camera's advanced menu system master exposure settings and shoot breathtaking portraits landscapes wildlife and videos Inside you'll learn How to set up your camera for the first time Pro techniques for sharp focus and vibrant colors Secrets to leveraging the 25x optical zoom for wildlife and sports photography Step by step guidance for stunning 4K videos and high speed action shots Essential tips on lighting composition creative filters and more How to transfer edit and share your photos wirelessly Troubleshooting common issues with practical solutions Filled with expert advice clear explanations and practical shooting tips this book is your complete companion for mastering the Sony DSC RX10 IV and elevating your photography skills **Beginners' Guide to Sony DSC-RX10 IV** Antonio R Didonato, 2025-07-05 Unlock the Full Power of Your Camera and Capture Stunning Shots Every Time Whether you're a passionate beginner or a seasoned enthusiast this comprehensive guide will help you master the full capabilities of your Sony DSC RX10 IV With its powerful zoom lightning fast autofocus and cinematic 4K video capabilities this camera is a beast but only if you know how to tame it This user friendly manual breaks down complex features into easy to follow instructions so you can confidently navigate settings modes and menus Learn how to fine tune your autofocus shoot in manual mode record professional grade videos and capture breathtaking landscapes portraits and wildlife Inside you'll discover Clear step by step guidance for every feature and function Tips and tricks for low light action and travel photography Custom settings that will transform your shooting experience Troubleshooting tips and expert recommendations Whether you want to shoot professional photos or just get the most out of your new gear this is the only guide you need Take control of your creativity start capturing jaw dropping photos today **Sony Cyber-shot DSC-RX100 VII User Guide** Zoey Fortnite, 2025-05-26 Master Your RX100 VII Unleash Your Creative Vision Ever wonder what incredible moments you're missing That sleek Sony Cyber-shot DSC RX100 VII in your hand isn't just a camera it's a gateway to capturing the world as you truly see it with unparalleled precision and breathtaking detail But are you truly harnessing its full potential As a seasoned photographer and guide writer I've spent years demystifying complex technology helping countless enthusiasts like you transform their aspirations into stunning realities I know the frustration of owning powerful gear and feeling overwhelmed by its features That's why I've distilled years of practical experience and deep dives into the RX100 VII into this user guide not just a manual but your personal roadmap to photographic mastery This isn't about memorizing buttons it's about understanding the why behind each setting the how to achieve your desired results and the what it feels like to finally capture that perfect shot you've always dreamed of Unlock Your Camera's True Power Effortlessly navigate the RX100 VII's advanced menus and settings

Master autofocus modes to nail every decisive moment from fleeting smiles to fast paced action Unlock cinematic video capabilities and tell your stories in stunning 4K Discover hidden features that elevate your photography and workflow Confidently create breathtaking images regardless of lighting conditions Imagine the regret of looking back and realizing you missed the shot because you weren't sure how to capture it Don't let that happen Your most precious memories deserve to be preserved with the clarity and brilliance they truly possess This guide isn't just about learning it's about experiencing the sheer joy of creating the satisfaction of perfectly freezing time and the pride of sharing your unique perspective with the world Stop wondering Start creating Get your copy today and transform your photographic journey **Sony DSC-RX10 IV Beginners Guide** Julian Roberto, 2025-06-26 Unlock the full power of your Sony DSC RX10 IV with this complete beginner friendly guide Whether you're new to photography or just unboxing your Sony RX10 IV this easy to follow manual will help you get started with confidence Packed with expert insights clear instructions and practical shooting techniques Sony DSC RX10 IV Beginners Guide walks you through every essential feature from basic setup to capturing professional quality photos and videos Inside this comprehensive guide you'll discover A complete overview of the RX10 IV's powerful capabilities Step by step setup for first time users How to master intelligent auto manual and custom modes Pro level tips for exposure autofocus metering and composition Detailed advice for portraits landscapes sports travel and low light scenes How to shoot cinematic 4K videos with S Log2 frame rate control and sound settings Slow motion time lapse and creative mode techniques Wireless features remote shooting and file transfers Must have accessories maintenance advice and firmware updates

**Sony RX100 VII Premium Compact Camera Manual for Beginners** Hector Brad, 2019-12-26 The Sony RX100 VII Premium Compact Camera Manual for Beginners is the complete guide to using the Sony RX100 VII Premium Compact Camera This book was made with the beginner in mind and is great for seniors and first time Sony RX100 VII users I have put this book together to assist people who are finding it difficult to use this amazing camera and the features it comes with and I can assure you that will you appreciate all the tips inside This book is the best user manual you need to guide you on how to use and optimally maximize your camera This book has comprehensive tips in depth tutorials for First time user seniors and experts and by the time you've finished reading this book you'll be a pro Click the buy button to get yours

Photographer's Guide to the Sony DSC-RX100 V Alexander S. White, 2016-12-08 Guide book for Sony DSC RX100 V camera **The Complete Guide to Sony's Cyber-Shot RX-100 (B&W Edition)** Gary Friedman, 2012-10-11 Love your new 20 megapixel wonder but having a hard time configuring it or understanding all of its functions Then this book is for you Written for the advanced user with tutorials and easy explanations in case you're not so advanced this easy to understand yet thorough guide provides a complete instruction manual which explains each feature in plain English and provides hundreds of visual examples as well There is no better way to learn about and get the most out of your camera More info at <http://friedmanarchives.com/RX100> Photographer's Guide to the Sony DSC-RX100 VI Alexander White, 2018-09-05 This book is

a complete manual on the Sony Cyber shot DSC RX100 VI camera one of the most advanced but still pocketable cameras available With this book author Alexander White provides users of the RX100 VI with a guide to all aspects of the camera s operation Using a tutorial like approach the book shows beginning and intermediate photographers how to take still images and record video with the RX100 VI and explains when and why to use the camera s many features The book provides details about the camera s automatic and advanced shooting modes including burst shooting at rates as fast as 24 frames per second as well as its numerous menu options for shooting playback and setup The book includes information about using Wi Fi and Bluetooth connections for image transfer remote control and adding location information to images The book has more than 500 color photographs or illustrations that help explain the camera s menus shooting screens and features These images include examples of photographs taken using the RX100 VI s Scene mode with settings optimized for subjects such as landscapes sunsets portraits low light and action shots and the Creative Style and Picture Effect menu options with settings that alter the appearance of images The book also provides introductions to topics such as street photography astrophotography and digiscoping with photographic examples The book includes a full discussion of the video features of the RX100 VI which can shoot HD and 4K ultra HD movies and which offers manual control of exposure and focus during movie recording The book explains the camera s numerous features that are useful for professional level videography including Picture Profiles that allow adjustment of settings such as gamma curve black level knee and detail The book provides detailed information about recording 4K video to an external video recorder using the clean video output from the camera s HDMI port In three appendices the book discusses accessories for the RX100 VI including cases power sources grips remote controls and filter adapters and includes a list of websites and other resources for further information The book includes an appendix with quick tips on how to take advantage of the camera s features in the most efficient ways possible This guide to the RX100 VI includes a detailed index so the reader can quickly find needed information about any particular feature or aspect of the camera

Photographer's Guide to the Sony DSC-RX100 VII Alexander White,2019-09-29 This book is a

complete manual for users of the Sony Cyber shot DSC RX100 VII camera one of the most advanced but still pocketable cameras available With this book author Alexander White provides users of the RX100 VII with a guide to all aspects of the camera s operation including its many advanced settings for autofocus and exposure control Using a tutorial like approach the book shows beginning and intermediate photographers how to take still images and record video with the RX100 VII and explains when and why to use the camera s many features The book provides details about the camera s automatic and advanced shooting modes including continuous shooting at rates as fast as 20 frames per second with short bursts as fast as 90 frames per second as well as its numerous menu options for shooting playback and setup The book includes information about using Wi Fi and Bluetooth connections for image transfer remote control and adding location information to images The book has more than 500 color photographs or illustrations that help explain the camera s menus shooting screens and

features These images include examples of photographs taken using the RX100 VII s Scene mode with settings optimized for subjects such as landscapes sunsets portraits low light and action shots and the Creative Style and Picture Effect menu options with settings that alter the appearance of images The book also provides introductions to topics such as street photography astrophotography and digiscoping with photographic examples The book includes a full discussion of the video features of the RX100 VII which can shoot HD and 4K ultra HD movies and which offers manual control of exposure and focus during movie recording The book explains the camera s numerous features that are useful for professional level videography including Picture Profiles that allow adjustment of settings such as gamma curve black level knee and detail The book provides detailed information about recording 4K video to an external video recorder using the clean video output from the camera s HDMI port In three appendices the book discusses accessories for the RX100 VII including cases power sources grips remote controls and filter adapters and includes a list of websites and other resources for further information The book includes an appendix with quick tips on how to take advantage of the camera s features in the most efficient ways possible This guide to the RX100 VII includes a detailed index so the reader can quickly find needed information about any particular feature or aspect of the camera

**Sony RX100 VII User Guide** Curtis G Fierro,2021-06-28 The Sony Camera is arguably the best camera out there Powerful Takes great pictures and videos And does just about everything It is easy to use for some people absolutely But if you ve never used it before or if you have used it but want to get more out of it the truth is that this camera is a little intimidating because there are countless innovations and new features packed into this camera that it may seem overwhelming to use and enjoy However I have put this book together for but novice and expert Sony camera users All you need to become an expert and get the most out of your Sony RX100 VII Camera is right here This user guide will show you how to set up and maximally use all the essential features packed into your camera This guide also contains both simple and advanced directions tips and tricks that will help you in using some awesome features This guide is perfect for beginners and Sony experts and it is a practical approach to show you everything you need to know to get up and running and much more This book helps you discover your Camera full functionality and newest capabilities It is a practical guidebook with step by step ways to help you take full benefit of all the excellent features built in this Sony RX100 VII camera Scroll up and click on the BUY NOW WITH 1 CLICK to start

*Photographer's Guide to the Sony DSC-RX10 IV* Alexander S. White,2017-11-29 This book is a complete guide to the Sony Cyber shot DSC RX10 IV camera With this book author Alexander S White provides users of the RX10 IV with a manual covering all aspects of the camera s operation Using a tutorial like approach the book shows beginning and intermediate photographers how to accomplish things with the RX10 IV and explains when and why to use the camera s many features The book provides details about the camera s shooting modes as well as its menu options for shooting playback setup video Wi Fi and special effects The book covers all features of the RX10 IV that are new for this model including its enhanced focusing system with phase detection autofocus its ability to use a touch screen for focusing

and enlarging images in some situations and a variety of new or enhanced menu options The book includes more than 500 color photographs that illustrate the camera's controls display screens and menus The images include photographs taken using the RX10 IV's Scene mode with settings optimized for subjects such as landscapes sunsets portraits and action shots and its Creative Style and Picture Effect menu options with settings that alter the appearance of images The book provides concise introductions to topics such as street photography and infrared photography and explains how to use the camera's Wi-Fi and Bluetooth features to transfer images to a smartphone or tablet to control the camera from such a device and to add location information to images The book includes a full discussion of the video features of the RX10 IV which can shoot HD and 4K ultra HD movies with manual control of exposure and focus during recording The book explains the camera's numerous features for professional level videography including Picture Profiles that allow adjustment of settings such as gamma curve black level knee and detail The book describes steps for recording 4K video to an external video recorder using the clean video output from the camera's HDMI port In three appendices the book discusses accessories for the RX10 IV including cases power sources remote controls microphones and external flash units and includes a list of websites and other resources for further information The book includes an appendix with quick tips on how to take advantage of the camera's features in the most efficient ways possible This guide to the RX10 IV includes a detailed index so the reader can quickly locate information about any particular feature or aspect of the camera



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