

## DSC-HX20/HX20V/HX30/HX30V

## SERVICE MANUAL

Ver. 1.2 2012.06

Internal memory  
ON BOARD

Revised-2

Replace the previously issued  
SERVICE MANUAL, 9-804-609-02  
with this Manual.

Photo: DSC-HX20(BLACK)

LEVEL 2

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

SERVICE NOTE (Check the following note before the service.)

## - ENGLISH -

- 1-1. PRECAUTION ON REPLACING THE SY-325 BOARD
- 1-2. ADDITION OF DESTINATION DATA FILE
- 1-3. METHOD FOR COPYING OR ERASING THE DATA IN INTERNAL MEMORY
- 1-4. HOW TO WRITE DATA TO INTERNAL MEMORY
- 1-5. SELF-DIAGNOSIS FUNCTION
- 1-6. PROCESS AFTER FIXING FLASH ERROR
- 1-7. PRECAUTION ON REPLACING THE CABINET (BOTTOM)
- 1-8. CHECKING THE Wi-Fi FUNCTION
- 1-9. ORNAMENTAL RING & OR BARRIER ASSY REPLACING METHOD
- 1-10. ZOOM MOTOR GEAR BLOCK REPLACING METHOD
- 1-11. CAM TUBE (B) ASSY REPLACING METHOD
- 1-12. FINAL INSPECTION

## - JAPANESE -

- 1-1. SY-325基板交換時の注意
- 1-2. Destination Data ファイルの追加について
- 1-3. 内蔵メモリのデータコピーおよび消去方法
- 1-4. 内蔵メモリーヘデータを書き戻す方法
- 1-5. 自己診断機能
- 1-6. フラッシュエラー発生時の対処法
- 1-7. キャビネット (底) 交換時の注意
- 1-8. Wi-Fi機能の確認

DIGITAL STILL CAMERA

SONY

## Revision History

Ver.	Date	History	Contents	3rd Rev. record
1.0	2012.02	Original Version	---	---
1.1	2012.05	Revised-1 (A7 13-600)	<ul style="list-style-type: none"> <li>- Addition of SELF-DIAGNOSIS Page 1-6, 1-10, 1-11, 1-13, 1-16</li> <li>- Addition of REPLACING THE ORNAMENTAL RING &amp; OR BARRIER Page 1-9, 1-9, 1-10, 1-11, 1-16</li> <li>- Addition of ACCESSORIES Page 1-6</li> <li>- Addition of Note</li> </ul>	Yes
1.2	2012.06	Revised-2 (A7 13-600)	<ul style="list-style-type: none"> <li>- Addition of SY-325 BOARD Page 1-1, 1-1, 1-10, 1-11, 1-16</li> </ul>	Yes

The components identified by  
mark & or noted by this mark  
& are subject to safety  
inspections only with part number  
specified.

The components identified by  
mark & or noted by this mark  
& are subject to safety  
inspections only with part number  
specified.

# Sony Dsc Hx20v User Manual

**Zoey Fortnite**



## **Sony Dsc Hx20v User Manual:**

Rollover Accident Reconstruction Christopher D Armstrong, 2018-11-02 Collision Reconstruction Methodologies Volume 6B The last ten years have seen explosive growth in the technology available to the collision analyst changing the way reconstruction is practiced in fundamental ways The greatest technological advances for the crash reconstruction community have come in the realms of photogrammetry and digital media analysis The widespread use of scanning technology has facilitated the implementation of powerful new tools to digitize forensic data create 3D models and visualize and analyze crash vehicles and environments The introduction of unmanned aerial systems and standardization of crash data recorders to the crash reconstruction community have enhanced the ability of a crash analyst to visualize and model the components of a crash reconstruction Because of the technological changes occurring in the industry many SAE papers have been written to address the validation and use of new tools for collision reconstruction Collision Reconstruction Methodologies Volumes 1 12 bring together seminal SAE technical papers surrounding advancements in the crash reconstruction field Topics featured in the series include Night Vision Study and Photogrammetry Vehicle Event Data Recorders Motorcycle Heavy Vehicle Bicycle and Pedestrian Accident Reconstruction The goal is to provide the latest technologies and methodologies being introduced into collision reconstruction appealing to crash analysts consultants and safety engineers alike 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> **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 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 *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 [The Complete Guide to Sony's RX-100 MK3 \(B&W Edition\)](#) Gary L. Friedman,2014-10-06 Love your new 20

megapixel wonder but having a hard time understanding and configuring all those features 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 Get the most out of your investment Learn about the wonders of digital imaging and improve your photography at the same time More info at

FriedmanArchives.com RX100 MK3

**Photographer's Guide to the Sony DSC-HX80 and HX90V** Alexander S.

White, 2017-03-23 This book is a complete guide to the Sony Cyber shot DSC HX80 and HX90V cameras two highly versatile and pocketable superzoom models which offer a 30x optical zoom range from 24mm to 720mm With this book author Alexander White provides users of these two very similar models with a manual covering all aspects of the cameras operation Using a tutorial like approach the book shows beginning and intermediate photographers how to take still images and record video with the HX80 and HX90V and explains when and why to use the cameras many features The book provides details about the cameras automatic and advanced shooting modes as well as their menu options for shooting playback setup and using Wi Fi connections with in camera apps The book has more than 400 color photographs that illustrate the cameras controls display screens and menus The images also provide examples of photographs taken using the cameras Scene mode with settings optimized for subjects such as landscapes sunsets portraits 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 macro photography and getting the most benefit from the superzoom lens The book includes a full discussion of the video features of the HX80 and HX90V which can shoot HD movies and which offer manual control of exposure during movie recording In three appendices the book discusses accessories for both models including cases power sources and remote controls 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 cameras features in the most efficient ways possible

**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 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 DSC-RX10: Ultimate Beginner's Guide** John Sackelmore,2015-02-20 The Sony DSC RX10 camera is among the latest of pioneer company Sony s attempt at innovation The model is a combined creation of the earlier RX100 and R1 models It has been updated with an improved 1 BSI CMOS sensor and long range zoom capabilities offering both quality and efficiency The RX10 camera is built to last with its weather sealed magnesium alloy outer shell It boasts other innovative features such as built in 3EV Neutral Density filter WIFI and NFC connectivity 24 200mm equivalent stabilized F2.8 lens 1.44M dot OLED viewfinder The rear LCD of the RX10 camera offers titling abilities and an astounding 1.23 million dot This book aims to explore the features of the Sony DSC RX10 It also intends to offer to users instructions on how to effectively enjoy and maximize the cameras many functions

*Sony Cyber-Shot DSC-RX100* Mark Dawn,2015-01-21 *Sony Dsc W800 User Guide* Jake Woods,2017-05-16 The Sony DSC W800 is a black lightweight compact point and shoot camera that has a 20.1 megapixels and a Super HAD CCD sensor of 1/2.3 The camera boasts an exemplary and professional zoom lens with a focal length of 35 mm This length is equivalent to a 26.130mm focal length Learn more about the Sony DSC W800 camera from this quick guide which will let you in on all you need to know about the device

**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 DSC-RX10 IV User Guide** ZOXY. FORTNITE,2025-01-21 Unlock the Full Potential of Your RX10 IV [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 [Sony ZV-1F User Guide](#) ZOXY. FORTNITE,2025-02-09 Unleash Your Inner Creator Stop Guessing Start Vlogging Like a Pro with the Sony ZV 1F Are you staring at your brand new Sony ZV 1F excited but maybe a little overwhelmed You ve got this incredible camera built for you the modern content creator But let s be honest those technical manuals They can feel like reading a different language What if instead of wrestling with jargon you could simply understand how to make your ZV 1F truly sing This isn t just another dry instruction manual Think of this guide as your friendly experienced mentor patiently sitting beside you explaining exactly how to tap into every ounce of magic your ZV 1F holds Imagine finally creating those stunning vlogs those crystal clear videos those captivating photos you ve been dreaming of all without the frustration and guesswork Inside This Guide You ll Discover How To Finally Understand Your ZV 1F No more confusing menus We ll break down every setting in plain English so you know exactly what each function does and how to use it to your advantage Master Vlogging Essentials

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*Sony DSC-RX10 IV User Guide* Harvey M Bryant, 2025-08-02 Frustrated by your Sony RX10 IV's overwhelming complexity You invested in one of the most powerful all in one cameras ever created yet you're stuck shooting in auto mode missing incredible opportunities because navigating the labyrinth of settings feels impossible The RX10 IV's professional capabilities remain locked away behind confusing menus and technical jargon Transform confusion into complete mastery This comprehensive manual bridges the gap between owning exceptional gear and creating exceptional images Through practical step by step guidance you'll unlock your camera's true potential for both photography and 4K videography Master these game changing capabilities Harness the incredible 24-600mm zoom range for stunning wildlife and distant subjects Navigate Sony's complex menu system with confidence and speed Achieve professional quality results in any lighting condition Utilize Eye AF and 24fps burst modes for perfect action shots Create cinematic 4K videos with professional techniques Whether you're a complete beginner overwhelmed by technical controls or an experienced photographer seeking to maximize this remarkable camera's advanced features this guide meets you exactly where you are The progressive learning approach ensures steady skill development without frustration Stop letting your expensive camera gather dust Start capturing the breathtaking wildlife travel and creative imagery you've always envisioned Your transformation from frustrated owner to confident photographer begins today Disclaimer This book is independently published and is not affiliated with sponsored by or endorsed by Sony Corporation

**Photographer's Guide to the Sony DSC-RX100 V** Alexander S. White, 2016-12-08 Guide book for Sony DSC RX100 V camera [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 RX1R II* Alexander S. White, 2016-02-27 This book is a complete guide to using the Sony Cyber shot DSC RX1R II camera With this book author Alexander White provides users of the RX1R II 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 this premium full frame camera 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 and special effects The book covers all of the features of the RX1R II including its variable low pass filter fast autofocus system HD video recording and features for continuous shooting The book includes more than 450 color photographs that illustrate the camera s controls display screens and menus The images provide examples of photographs taken using the RX1R II s Scene mode with settings optimized for subjects such as landscapes sunsets portraits and action shots and the Creative Style and Picture Effect menu options with settings for altering the appearance of images The book also provides introductions to topics such as street photography astrophotography and digiscoping It includes a full discussion of the video features of the RX1R II which can shoot HD movies with manual control of exposure and focus during movie recording In three appendices the book discusses accessories for the RX1R II including cases power sources remote controls 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 RX1R II includes a detailed index so

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### **Sony Dsc Hx20v User Manual Introduction**

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