

## DSC-HX20/HX20V/HX30/HX30V

## SERVICE MANUAL

Ver. 1.2 2012.06

Internal memory  
ON BOARD

Revised-2

Replace the previously issued  
SERVICE MANUAL, N-404-455-02  
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 (N-713-600)	<ul style="list-style-type: none"> <li>- Addition of SELF-DIAGNOSIS Page 1-5, 1-10, 1-11, 1-13, 1-14</li> <li>- Addition of REPLACING THE ORNAMENTAL RING &amp; OR BARRIER ASSY Page 1-9, 1-9, 1-10, 1-11, 1-12</li> <li>- Correction of ACCESSORIES Page 1-6</li> <li>- Addition of Note</li> </ul>	Yes
1.2	2012.06	Revised-2 (N-713-600)	<ul style="list-style-type: none"> <li>- Addition of SY-325 BOARD Page 1-1, 1-1, 1-10, 1-11, 1-12</li> </ul>	Yes

The components identified by  
mark & or noted by this mark  
& are critical for safety.  
Replace only with part number  
specified.  
The components marked with this  
mark are not for repair.

# Sony Hx20v Manual Focus

**Alexander White**



## **Sony Hx20v Manual Focus:**

**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 V** Alexander S. White, 2016-12-08 Guide book for Sony DSC RX100 V camera **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 *The Complete Guide to Sony's NEX 5R and 6 Cameras (B&W edition)* Gary Friedman, 2013-04-03 Love your NEX camera but having a hard time understanding all that it does Then this book is for you This easy to understand guide provides a complete instruction manual which explains each feature in plain English and provides hundreds of visual examples In this book you ll learn What every mode button and function does in plain language The secrets of taking outstanding photos Details about the innovative features such as Anti Motion Blur Handheld Twilight Sweep Panorama and more All about the movie mode All you need to know about attaching legacy glass to your NEX How to get the benefits of shooting RAW A set of Tip cards you can print showing Gary s Personal Camera Settings Get the most out of your investment and improve your photography at the

same time This book is also available as an instantly downloadable pdf file at <http://friedmanarchives.com/NEX56> **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](http://FriedmanArchives.com/RX100MK3) [The Complete Guide to Sony's Alpha 65 and 77 SLT Cameras B&W Edition Volume I](#) Gary Friedman,2012-02-08 Love your new 24 megapixel wonder but having a hard time understanding all that it does 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/alpha77](http://http://friedmanarchives.com/alpha77) **The Complete Guide to Sony's NEX-7 Mirrorless Camera (B&W Edition)** Gary Friedman,2012-06-21 Love your new 24 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/NEX7](http://http://friedmanarchives.com/NEX7) [David Busch's Sony Cyber-shot DSC-RX100 IV](#) David D. Busch,2016-03-15 *The Friedman Archives Guide to Sony's Alpha 9 (B&W Edition)* Gary L. Friedman,2017-09-17 The Sony A9 needs no introduction but if you re an owner of this incredible camera you probably could use a friendly hand explaining the myriad of options and settings In this book which is aimed at the professional shooter every function in Mr Friedman s famous approachable easy to understand yet technically thorough style All focusing exposure and video modes are clearly explained and many suggestions for combinations of settings that lend themselves to certain shooting situations are explained **The Friedman Archives Guide to Sony's A99 II (B&W Edition)** Gary L. Friedman,2017-04-17 Gary s Ebooks on the Sony cameras are renown for being the most thorough detailed and enjoyable to read This latest edition goes into even more detail of the features everyone wants to know about In this 619 page full color book you ll learn The new exposure modes The Hybrid AF system and what it means to you All the different focusing modes explained in an intuitive way 4K shooting and choosing a bit rate for video S Log2 in a way that a non videographer can understand My personal camera configuration How to know which video mode is right for you NFC Wi Fi and step by step instructions on using them A set of Cliffs Notes cards you can print showing the recipes for common shooting situations and

Gary's Personal Camera Settings Get the most out of your investment cut through the clutter and optimize your camera to match the way YOU work best

**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 a7R IV: Pocket Guide** Rocky Nook, 2023-05-08 Designed for photographers who haven't memorized every button dial setting and feature on their Sony a7R IV Rocky Nook's handy and ultra portable quick reference Pocket Guide helps you get the shot when you're out and about Confirm that your camera is set up properly with the pre shoot checklist Identify every button and dial on your camera Learn the essential modes and settings you need to know Dive deeper with additional features of your camera Execute step by step instructions for shooting multiple exposures in camera HDR time lapse movies and more Follow tips and techniques for getting great shots in typical scenarios portrait landscape freezing action low light etc

[The Complete Guide to Sony's Alpha 7r II \(B&W\)](#)

Edition) Gary L. Friedman, 2015-10-18 Gary's Ebooks on the Sony cameras are renowned for being the most thorough, detailed and enjoyable to read. This latest edition goes into even more detail of the features everyone wants to know about. All the focusing modes explained in an intuitive way. 4K shooting and choosing a bit rate for video. The new phase detect AF and where it's blind. The most popular adapters for legacy glass. S-Log2 in a way that won't make your eyes glaze over. And lots more. 641 pages more to be exact. Electronic formats also available from the author's website. **Sony a7 IV: Pocket Guide** Rocky Nook, 2023-05-08 Designed for photographers who haven't memorized every button, dial, setting and feature on their Sony a7 IV, Rocky Nook's handy and ultra-portable quick reference Pocket Guide helps you get the shot when you're out and about. Confirm that your camera is set up properly with the pre-shoot checklist. Identify every button and dial on your camera. Learn the essential modes and settings you need to know. Dive deeper with additional features of your camera. Execute step-by-step instructions for shooting multiple exposures in-camera HDR, time-lapse movies and more. Follow tips and techniques for getting great shots in typical scenarios: portrait, landscape, freezing action, low light, etc. **A Photographer's Guide to Focus and Autofocus** Alan Hess, 2016-02-17 Autofocus changed the way photos are taken, making it easier to capture and keep the subject in sharp focus. Since autofocus was first introduced, it has become much more complicated, offering different focus modes, focus types and focus points. What started out as a way to simplify the photo-making process has turned into a complicated endeavor with numerous choices and settings. A Photographer's Guide to Focus and Autofocus: From Snapshots to Great Shots is here to answer all your questions about the focusing system in today's cameras and their various autofocus modes. Photographer Alan Hess covers the simple basics of focus: manual focus versus autofocus, the best focus modes to use and how focus works in both DSLRs and mirrorless cameras. Then he discusses more advanced topics including autofocus sensor types, back-button autofocus and focus for DSLR video. There is much more to autofocus and focus in general than just pushing the shutter release button and hoping the image is sharp and in focus. With this book, you'll learn how to get the right focus in your images no matter what the occasion. Follow along with your friendly and knowledgeable guide, and you will learn the top ten things to know about focus, including how to use the focus controls on the camera, how to pick the autofocus point and when to use pre-focus in your images. Address common autofocus issues such as dealing with low contrast or low light or shooting through obstacles like glass or a fence. Develop troubleshooting techniques for what to do when the autofocus doesn't work properly. Work with both manual focus and autofocus and learn tricks to achieve better focus in video. And once you've got the shot, show it off! Join the book's Flickr group to share your photos and tips at flickr.com/groups/focusandautofocusfromsnapshotstogreatshots. **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 the reader can quickly find needed information about any particular feature or aspect of the camera.

[Sony a7 III: Pocket Guide](#) Rocky Nook, 2023-05-08 Designed for photographers who haven't memorized every button, dial, setting, and feature on their Sony a7 III, Rocky Nook's handy and ultra-portable quick reference Pocket Guide helps you get the shot when you're out and about. Confirm that your camera is set up properly with the pre-shoot checklist. Identify every button and dial on your camera. Learn the essential modes and settings you need to know. Dive deeper with additional features of your camera. Execute step-by-step instructions for shooting multiple exposures, in-camera HDR, time-lapse movies, and more. Follow tips and techniques for getting great shots in typical scenarios: portrait, landscape, freezing action, low light, etc.

*Sony Alpha A7S* Joseph Spark, 2015-01-21

**The Friedman Archives Guide to Sony's RX-100 V (B&W Edition)** Gary Friedman, 2017-01-10 The Sony RX 100 V is the world's best point-and-shoot camera, and Gary Friedman's book provides the most detail and insights. In this 561-page full-color e-book, you will learn what every mode, button, and function does in plain, easy-to-understand language. Gary's personal camera configuration. Unique features of the camera, including the ability to shoot the equivalent of 5.5K video for short bursts. How to decipher the alphabet soup that are the video standards, what each variable means, and how to choose the best mode for YOU. NFC, Wi-Fi, and step-by-step instructions on using them. Which of the new downloadable apps are actually useful. The most common digital jargon and what it all means to you. A tutorial to get the benefits of shooting RAW and a condensed guide to the basics. A set of Cliffs Notes cards you can print showing the recipes for common shooting situations and Gary's Personal Camera Settings.

*The Complete Guide to Sony's RX1R II Camera (B&W Edition)* Ross Warner, Gary L. Friedman, 2016-01-13 In this detailed and easy-to-read reference, professional photographers Gary L. Friedman and Ross Warner spell out the nuances of every feature for both beginning and experienced

photographers Get the most out of your camera from the most highly acclaimed author of books for the Sony cameras  
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### **Sony Hx20v Manual Focus Introduction**

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