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Nikon D700

Nikon D700 Camera Mastering Guide: Instruction Manual

This manual serves as a comprehensive guide to understanding and utilizing the full potential of your Nikon D700 digital SLR camera, based on the insights provided in 'Mastering the Nikon D700' by Darrell Young and James Johnson.

1. INTRODUCTION TO MASTERING THE NIKON D700

The book *Mastering the Nikon D700* provides extensive information and professional insights for owners of this powerful camera. It delves into the features and capabilities of the D700 in detail, offering step-by-step menu setting adjustments alongside illustrations and clear explanations for each option. The authors' approach is designed to be informative and accessible, guiding users through complex functionalities without jargon.

This guide extends beyond the camera itself, incorporating information on additional Nikon equipment, such as optional Speedlights, where relevant. It frequently references the official Nikon user manuals, complete with specific page numbers, to help users navigate and understand their equipment effectively.

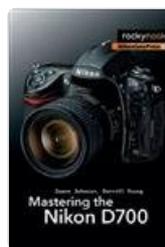


Image: The cover of 'Mastering the Nikon D700' by Darrell Young and James Johnson. This book serves as the foundation for this instruction manual, offering detailed guidance on the camera's operation and features.

2. ABOUT THE NIKON D700 CAMERA

The Nikon D700 is a professional-grade full-frame digital single-lens reflex (DSLR) camera known for its robust build, excellent image quality, and advanced features. Released in 2008, it quickly became a favorite among enthusiasts and professionals for its high ISO performance, fast autofocus system, and durable magnesium alloy body. This camera is designed to offer precise control and versatility for a wide range of photographic situations.

Key characteristics include a 12.1-megapixel FX-format (full-frame) CMOS sensor, a 51-point autofocus system, and a continuous shooting rate of up to 8 frames per second with the optional MB-D10 battery pack.

Understanding these core capabilities is essential for maximizing the camera's potential, which this mastering guide aims to facilitate.

3. INITIAL SETUP AND CONFIGURATION

The mastering guide assists users in the initial setup of their Nikon D700 camera. It provides clear, step-by-step instructions for navigating the camera's menu system to configure essential settings. This includes:

- **Basic Camera Settings:** Adjusting date, time, language, and display options.
- **Image Quality and Size:** Selecting appropriate file formats (JPEG, NEF/RAW) and image dimensions for various shooting needs.
- **Exposure Modes:** Understanding and setting Program (P), Shutter-priority (S), Aperture-priority (A), and Manual (M) modes.
- **Autofocus System Configuration:** Customizing the 51-point AF system for different subjects and scenarios, including AF-area modes and AF-C priority.
- **Custom Settings:** Detailed explanations of the D700's extensive custom settings menu, allowing personalization of camera behavior.

By following the guide's recommendations, users can establish a foundational setup that aligns with their photographic style and requirements.

4. OPERATING THE NIKON D700

This mastering guide provides in-depth instruction on operating the Nikon D700 in various photographic situations. It covers advanced techniques and practical applications of the camera's features:

- **Exposure Control:** Understanding metering modes, exposure compensation, and bracketing for optimal image brightness.
- **White Balance:** Achieving accurate color rendition through custom white balance, preset options, and fine-tuning.
- **Flash Photography:** Utilizing the built-in flash and external Speedlights, including Nikon's Creative Lighting System (CLS) for advanced off-camera flash techniques.
- **Live View Mode:** Using Live View for precise focusing and composition, especially in studio or macro photography.
- **Picture Controls:** Customizing image processing parameters such as sharpness, contrast, brightness, saturation, and hue.
- **Video Recording:** While primarily a still camera, understanding any available video functionalities and settings.

The guide's detailed explanations and practical examples enable users to confidently operate their D700 and achieve desired photographic results.

5. MAINTENANCE AND CARE

While the mastering guide focuses on operational aspects, understanding proper camera care is crucial for longevity and performance. The insights provided within the book, particularly regarding handling and environmental considerations, contribute to effective maintenance. Key areas include:

- **Sensor Cleaning:** Guidance on when and how to safely clean the camera's sensor, or when to seek professional service.

- **Lens Care:** Best practices for cleaning lenses and protecting them from dust and scratches.
- **Battery Management:** Tips for optimizing battery life and proper storage.
- **Storage:** Recommendations for storing the camera and accessories to prevent damage from dust, moisture, and extreme temperatures.

Adhering to these principles, informed by the guide's comprehensive understanding of the D700, helps maintain the camera in optimal working condition.

6. TROUBLESHOOTING COMMON ISSUES

The mastering guide's detailed explanations of camera functions and settings can serve as a valuable resource for troubleshooting. By understanding the 'how and why' behind each option, users can often diagnose and resolve common operational issues. The book's logical structure and comprehensive coverage help in identifying potential causes for unexpected camera behavior, such as:

- **Exposure Problems:** Incorrectly exposed images due to metering, ISO, aperture, or shutter speed settings.
- **Focusing Difficulties:** Issues with autofocus accuracy or speed, often related to AF-area mode or AF-C priority settings.
- **Image Quality Concerns:** Noise, softness, or color shifts that can be traced back to ISO, Picture Control, or white balance settings.
- **Accessory Compatibility:** Understanding how the D700 interacts with various lenses, flashes, and other accessories to resolve connectivity or functionality issues.

The guide empowers users to systematically approach and resolve problems by reinforcing a deep understanding of the camera's intricate systems.

7. BOOK SPECIFICATIONS

This section details the specifications of the 'Mastering the Nikon D700' book itself, which is the product this manual describes how to utilize for camera mastery.

Publisher	Rocky Nook
Publication Date	June 7, 2009
Edition	1st
Language	English
Print Length	256 pages
ISBN-10	1933952237
ISBN-13	978-1933952239
Item Weight	1.1 pounds
Dimensions	6 x 0.55 x 9 inches

8. SUPPORT AND ADDITIONAL RESOURCES

The *Mastering the Nikon D700* guide is designed to complement, not replace, the official Nikon D700 user manual. It frequently refers to specific pages within the Nikon manual, making it an excellent companion for deeper understanding.

For official camera support, firmware updates, and service information, always refer to the official Nikon website or contact Nikon customer service directly. The book provides the knowledge to interpret and apply the technical details found in official documentation more effectively.

For further learning and community engagement, consider exploring resources from Nikonians, which is mentioned as a partner in the book's publication series.

This instruction manual is based on the content of 'Mastering the Nikon D700' by Darrell Young and James Johnson. All rights reserved.