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> Canon VIXIA HF R600 Instruction Manual

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Model: HF R600

PRODUCT OVERVIEW



This image displays the Canon VIXIA HF R600 camcorder in black, viewed from a slight angle. The front of the camcorder features the Canon HD Video Lens, with details like '32x ZOOM 2.8-89.6mm 1:1.8 φ43' visible around the lens barrel. The side of the camcorder clearly shows '57x ADVANCED ZOOM' and the 'Canon' logo, along with 'VIXIA HF R600' and an 'HD' emblem. The camcorder has a sleek, compact design.

The Canon VIXIA HF R600 camcorder is designed for capturing high-quality video with ease. It features a powerful 57x Advanced Zoom, SuperRange Optical Image Stabilizer, and a 3.28 Megapixel Full HD CMOS Sensor for clear, detailed footage. The DIGIC DV 4 Image Processor enhances imaging performance, even in low light. Recording is supported in both MP4 (35 Mbps) and AVCHD Progressive (28 Mbps) formats to removable SD memory cards. Its

3.0-inch capacitive touch panel LCD provides intuitive control, making it suitable for various shooting scenarios from family events to creative projects.

Key Features:

- 57x (32.5–1853mm) Advanced Zoom and SuperRange Optical Image Stabilizer for steady video.
- Canon 3.28 Megapixel Full HD CMOS Image Sensor for true 1920 x 1080 resolution.
- DIGIC DV 4 Image Processor for outstanding imaging performance and low-light capability.
- 1080/60p recording in MP4 (35 Mbps) and AVCHD Progressive (28 Mbps) for high-quality capture of moving subjects.
- 3.0-inch capacitive touch panel LCD for fast, easy, and intuitive controls.
- Advanced Baby Mode for tracking and organizing a child's development.
- High capacity Battery Pack BP-718 for extended shooting times.
- Intelligent IS system with four modes (Dynamic, Macro, Powered, Tripod) for optimized image stabilization.
- Audio Scene Select with five modes for clear, high-quality audio.
- Smart AUTO and Auto Tele Macro for automatic optimal settings.
- Slow & Fast Motion capabilities for creative video effects.
- Seven Cinema-Look Filter effects for cinematic styling.
- Genuine Canon Face Detection for sharp focus and accurate exposure.
- Video Snapshot feature for creating short highlight movies.
- 24p Cinema and 30p Progressive Shooting Modes for varied creative options.

SETUP GUIDE

1. Charging the Battery

Before first use, ensure the included Battery Pack BP-718 is fully charged. Connect the camcorder to the power adapter and plug it into a wall outlet. The charging indicator will show the charging status. A full charge is recommended for optimal performance.

2. Inserting an SD Memory Card

Open the SD card slot cover. Insert a compatible SD, SDHC, or SDXC memory card into the slot with the label facing the correct direction until it clicks into place. Close the cover securely. Ensure the card is formatted by the camcorder before recording, if prompted.

3. Initial Power On

Open the LCD panel to power on the camcorder. Follow any on-screen prompts for initial setup, such as setting the date and time.

OPERATING THE CAMCORDER

Basic Recording

To begin recording, open the LCD panel and press the START/STOP button. Press it again to stop recording. The camcorder automatically adjusts settings in Smart AUTO mode. For manual control, use the touch panel LCD to access menu options.

Zoom Operation

Use the zoom lever located on top of the camcorder to zoom in or out. The 57x Advanced Zoom allows for significant magnification. For precise control, the camcorder offers 15 levels of continually variable zoom speed settings.

Image Stabilization (Intelligent IS)

The Intelligent IS system automatically selects the best stabilization method for your shooting situation. This includes:

- **Dynamic IS:** Corrects minor movement and shaking, ideal for shooting while walking.
- **Macro IS:** Ensures steady close-up shots.
- **Powered IS:** Corrects shake during telephoto shots with the powerful zoom.
- **Tripod Mode:** Stops IS when the camcorder is stationary on a tripod.

Recording Formats and Quality

The VIXIA HF R600 supports 1080/60p recording in both MP4 (35 Mbps) and AVCHD Progressive (28 Mbps) formats. These settings provide high-quality video, capturing fast-moving subjects with clarity and smooth motion. You can select your preferred recording format and bit rate through the menu settings on the LCD.

Using the 3.0-inch Capacitive Touch Panel LCD

The touch panel LCD allows for intuitive control. Tap to select a focal point, track moving subjects, or adjust exposure for specific areas. The Home button on the menu screen provides quick access to all functions. Clear explanations for key settings are displayed when selecting modes.

Special Shooting Modes

- **Baby Mode:** Activates optimal settings for recording children. Videos are automatically saved to a dedicated Baby Album. The Pre-Record (Pre REC) function is always active in this mode, capturing three seconds of video before you press record. You can add stamps for height, weight, and age.
- **Slow & Fast Motion:** Record slow motion at 1/2x speed or fast motion up to 1200x for creative effects.
- **Cinema-Look Filter Effects:** Apply one of seven built-in filters (Cinema Standard, Cool, Dramatic B&W, Old Movies, Nostalgic, Sepia, Vivid) to add cinematic styling. Brightness and other parameters can be adjusted.
- **Face Detection:** Automatically tracks up to 35 faces, ensuring sharp focus and accurate exposure. A specific face can be selected for continuous tracking.
- **Video Snapshot:** Record or select short video clips (2, 4, or 8 seconds) and combine them with background music to create highlight reels.
- **24p Cinema and 30p Progressive Modes:** Offer options for a film-like feel (24p) or smooth progressive video (30p), suitable for online content.

Audio Scene Select

Choose from five audio modes to optimize sound quality based on your environment: Standard, Music, Speech, Forest and Birds, and Noise Suppression. Each mode has pre-determined settings for clear audio capture.

MAINTENANCE

Cleaning the Camcorder

- **Body:** Use a soft, dry cloth to wipe the camcorder body. For stubborn dirt, dampen the cloth slightly with water

and then wipe dry. Avoid using organic solvents.

- **Lens:** Use a lens brush to remove dust. For smudges, use a lens cleaning cloth specifically designed for optical surfaces. Do not touch the lens with your fingers.
- **LCD Screen:** Gently wipe the screen with a soft, dry cloth. Avoid pressing hard on the screen.

Storage

When not in use for extended periods, store the camcorder in a cool, dry, well-ventilated area, away from direct sunlight and extreme temperatures. Remove the battery if storing for a long time to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Camcorder does not power on.	Ensure the battery is fully charged and correctly inserted. Check if the LCD panel is fully opened.
Cannot record video.	Verify an SD card is inserted and has sufficient free space. Check if the SD card is locked (write-protected). Ensure the camcorder is in recording mode.
Video appears shaky or blurry.	Ensure Intelligent IS is enabled. Check lighting conditions; low light can affect image clarity. Clean the lens if smudges are present.
No audio recorded.	Check audio settings in the menu. Ensure no external microphone is connected if you intend to use the internal microphone.
Touch screen is unresponsive.	Restart the camcorder by closing and reopening the LCD panel. Ensure the screen is clean and free of moisture or debris.

SPECIFICATIONS

Feature	Detail
Model Number	0280C001
Product Dimensions	2.09 x 4.57 x 2.28 inches
Item Weight	10.1 ounces
Batteries	1 Lithium Ion battery (included)
Photo Sensor Technology	CMOS

Feature	Detail
Video Capture Resolution	1080p
Maximum Focal Length	89.6 Millimeters
Maximum Aperture	2.8 f
Flash Memory Type	SD
Video Capture Format	AVCHD
Supported Audio Format	AAC
Screen Size	3 Inches
Color	Black
Manufacturer	Canon
Date First Available	July 9, 2019

WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product packaging or visit the official Canon support website. For technical assistance, product registration, or service inquiries, please contact Canon customer support directly.

You can typically find support contact details on the Canon website or in the documentation provided with your camcorder.