Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Sony NEX-FS700R

Sony NEX-FS700R 4K Super 35mm Exmor CMOS Sensor NXCAM Camcorder Body User Manual

Model: NEX-FS700R

1. Introduction

Welcome to the user manual for your Sony NEX-FS700R camcorder. This document provides essential information for setting up, operating, maintaining, and troubleshooting your device. The NEX-FS700R is a professional camcorder featuring a 4K "Exmor" Super 35 CMOS sensor, designed for high-quality motion picture shooting with high sensitivity, low noise, and minimal aliasing.

Key features include 4K RAW and 2K RAW output capabilities, high frame rate recording, and built-in ultra-thin ND filters.

2. Product Overview



This image displays the Sony NEX-FS700R camcorder body, showcasing its lens mount, control buttons, and overall ergonomic design. The camera features a robust build suitable for professional video production.

3. Setup

3.1 Unpacking and Initial Inspection

Carefully unpack all components. Verify that the camcorder is present. Inspect the camcorder for any signs of damage.

3.2 Powering the Camcorder

The camcorder requires a compatible power source. Connect the power adapter to the camcorder and a power outlet, or insert a fully charged battery.

3.3 Attaching a Lens

The NEX-FS700R uses an E-mount system. Align the lens with the lens mount on the camcorder body and rotate until it clicks into place. Refer to your lens's specific manual for detailed attachment instructions.

3.4 Inserting Memory Cards

The camcorder supports Memory Stick PRO DUO and SD cards. Open the memory card slot cover and insert the card with the correct orientation until it locks.

4. Operating the Camcorder

4.1 Basic Controls

Familiarize yourself with the main control buttons and dials on the camcorder body. These include power, record start/stop, menu navigation, and zoom controls (if using a power zoom lens).

4.2 Recording Modes

The NEX-FS700R offers various recording modes, including 4K RAW and 2K RAW output when connected to an external recorder like the AXS-R5 via the HXR-IFR5 interface unit.

- **4K RAW (4096 x 2160)**: Available at 23.98P, 25P, 29.97P, 50P, and 59.94P.
- **2K RAW (2048 x 1080)**: Available at 23.98P, 25P, 29.97P, 50P, and 59.94P.
- **High Frame Rate (HFR) Recording**:
    - 4K RAW at 100 fps or 120 fps for approximately 4 seconds.
    - 2K RAW at 100 fps, 120 fps, 200 fps, or 240 fps continuously.

4.3 ND Filters

The camcorder features built-in, ultra-thin Neutral Density (ND) filters. Use these to control the amount of light entering the lens, especially in bright conditions, without affecting color balance.

4.4 Dynamic Range Settings

The NEX-FS700R allows for flexible dynamic range settings:

- Up to 1300% dynamic range with **S-Log2**.
- 800% dynamic range with **709 Gamma**.

4.5 External Recorder Synchronization

The HD-SDI remote interface protocol is embedded in the HD-SDI signal, allowing synchronization with compatible external recorders. The HDMI output also embeds the recording status signal for external HDMI recorders.

5. Maintenance

5.1 Cleaning the Camcorder

Use a soft, dry cloth to clean the exterior of the camcorder. For the lens and sensor, use specialized cleaning kits and follow manufacturer guidelines to avoid damage.

5.2 Battery Care

Store batteries in a cool, dry place. Avoid fully discharging batteries for extended periods.

5.3 Firmware Updates

Periodically check the Sony support website for firmware updates to ensure optimal performance and access to new features.

6. Troubleshooting

6.1 Common Issues and Solutions

- **Camcorder does not power on:** Ensure the battery is charged and correctly inserted, or the AC adapter is properly connected.
- **No image on screen:** Check lens attachment, lens cap, and monitor settings.
- **Recording issues:** Verify memory card insertion, available space, and correct recording mode settings.
- **Overheating:** Ensure proper ventilation around the camcorder. Avoid direct sunlight for extended periods.

For persistent issues, refer to the Sony support website or contact customer service.

7. Specifications

Feature	Detail
Photo Sensor Technology	CMOS
Video Capture Resolution	4K
Maximum Focal Length	1
Maximum Aperture	1.2 f
Flash Memory Type	Memory Stick PRO DUO, SD
Video Capture Format	mpeg-4
Supported Audio Format	AAC
Screen Size	3.5 Inches
Connectivity Technology	HDMI
Item Weight	8.4 pounds
Package Dimensions	16.02 x 12.68 x 10.94 inches
Item Model Number	NEX-FS700R
Date First Available	October 10, 2013
What's in the Box	camcorder

8. Warranty and Support

This product is an *International Version* and typically does not come with a manufacturer's warranty valid in all regions. Please check with your retailer regarding any specific warranty terms or return policies.

For technical support and additional resources, please visit the official Sony support website.

Model Number: NEX-FS700R

ASIN: B00FRKGNAY

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B00FRKGNAY

More documents and user manuals: **https://manuals.plus/**