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Sony ILME-FX6V

Sony FX6 Full-Frame Cinema Camera User Manual

Model: ILME-FX6V

INTRODUCTION

The Sony FX6 Full-Frame Cinema Camera (Model ILME-FX6V) is designed for versatile, cine-style imaging in a compact form. It features a 4K full-frame Exmor R sensor and BIONX XR engine, offering exceptional low-light performance and up to 15+ stops of dynamic range. With S-Cinetone gamma and advanced autofocus capabilities, the FX6 is suitable for a wide range of professional video productions, from documentaries to gimbal and drone shoots.

WHAT'S INCLUDED

The standard package for the Sony FX6 Full-Frame Cinema Camera (Body Only) includes the following components:

- Sony FX6 Full-Frame Cinema Camera (Body Only)
- Lilliput A7S 7" Full HD Monitor
- Sony 80GB CFexpress Type A TOUGH Memory Card
- Sony MDR-7506 Headphones
- Sony ECM-VG1 Electret Condenser Shotgun Microphone
- 2 x Sony BP-U35 Battery
- LED Light
- Pro Camcorder Case
- Deluxe Cleaning Set
- HDMI Cable
- Memory Card Wallet

SETUP GUIDE

1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect each item for any signs of damage. Ensure all listed accessories are present.



Figure 1: Sony FX6 camera body and various accessories included in the bundle, such as monitor, batteries, microphone, and headphones.

2. Attaching the Handle and Monitor

Attach the top handle to the camera body using the provided screws. The handle provides additional mounting points and houses the monitor attachment. Secure the 3.5" LCD monitor to the handle's mounting point. The monitor can be positioned for optimal viewing during operation.



Figure 2: The Sony FX6 camera with its top handle and LCD monitor securely attached, ready for use.

3. Battery Installation and Charging

Insert the BP-U35 battery into the battery slot at the rear of the camera. Ensure it clicks into place. Charge the battery using the supplied charger before first use. A fully charged battery ensures maximum operational time.



Figure 3: Rear view of the Sony FX6 camera, highlighting the battery compartment and various input/output ports for connectivity.

4. Memory Card Insertion

The FX6 supports dual CFexpress Type A/SDXC card slots. Open the memory card slot cover and insert the memory card(s) until they click into place. Ensure the card is oriented correctly to avoid damage.

OPERATING INSTRUCTIONS

1. Powering On and Basic Controls

Press and hold the power button to turn on the camera. The 3.5" LCD monitor will display the live view. Familiarize yourself with the main controls on the camera body and handle, including the record button, zoom rocker, and menu navigation buttons.



Figure 4: Top-down view of the Sony FX6 camera, detailing the layout of its primary control buttons and dials for quick access during shooting.

2. Focus and Exposure Settings

The FX6 features fast and accurate phase-detection autofocus with Face Detection and real-time Eye autofocus. You can switch between auto and manual focus modes. Adjust exposure using the auto and manual ND filter settings for quick compensation in varying light conditions. The camera also offers a base ISO of 800 and a high-sensitivity mode up to ISO 12800 for low-light scenes.



Figure 5: Front-side perspective of the Sony FX6 camera body, showcasing the full-frame lens mount and surrounding controls.

3. Recording Video

The camera supports DCI 4K60p, UHD 4K120, and 1080p240 recording. It records in 10-bit 4:2:2 XAVC-I and offers 16-Bit Raw Output. Press the REC button to start and stop recording. Monitor your footage on the LCD screen.

4. Audio Input and Monitoring

Connect the Sony ECM-VG1 Electret Condenser Shotgun Microphone to the camera's audio input. Monitor audio levels using the on-screen meters and through the Sony MDR-7506 Headphones connected to the headphone jack. The camera supports AAC and PCM audio formats.

MAINTENANCE

1. Cleaning the Camera

Use the Deluxe Cleaning Set to keep your camera and accessories clean. Gently wipe the camera body with a soft, dry cloth. For the lens and sensor, use specialized cleaning solutions and cloths to avoid scratches or damage. Regularly clean the LCD screen with a microfiber cloth.

2. Battery Care

To prolong battery life, avoid fully discharging the batteries frequently. Store batteries in a cool, dry place when not in use.

If storing for extended periods, charge them to about 50% capacity.

3. Firmware Updates

Periodically check the official Sony support website for firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, new features, and bug fixes.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Battery is not charged or not inserted correctly.	Ensure battery is fully charged and properly seated in the compartment.
No image on LCD monitor.	Monitor cable loose or monitor not powered.	Check monitor cable connection. Ensure monitor has power if external.
Recording stops unexpectedly.	Memory card full or too slow; battery low.	Check memory card capacity and speed rating. Replace or charge battery.
Poor audio quality.	Microphone not connected, incorrect audio settings, or external interference.	Verify microphone connection. Check audio input levels and settings. Move away from interference sources.

SPECIFICATIONS

Feature	Detail
Model Number	ILME-FX6V
Sensor Type	4K Full-Frame 10.2MP CMOS Exmor R Sensor
Video Resolution	DCI 4K60p, UHD 4K120, 1080p240
Dynamic Range	15+ Stops (in S-Log 3 EI)
ISO Sensitivity	Base 800-12,800 ISO / 320-409,600 Max
Color Modes	S-Cinetone, S-Log3, HLG Modes
Recording Format	10-Bit 4:2:2 XAVC-I, 16-Bit Raw Output
Autofocus	Phase Detection AF/Face Tracking/Eye AF
Memory Card Slots	Dual CFexpress Type A/SDXC Card Slots
Screen Size	3.5 Inches (LCD Monitor)
Connectivity	HDMI, SDI Out, Remote, Multi
Dimensions (Camera Body)	Approximately 6 x 4.6 x 4.5 inches
Weight (Camera Body)	Just under 2 lb (approx. 0.9 kg)

WARRANTY AND SUPPORT

This product is offered as a renewed item. For specific warranty and support details, please refer to the Amazon Renewed Guarantee information provided at the time of purchase. Renewed products are typically eligible for replacement or refund under the Amazon Renewed Guarantee if not satisfied with the purchase.

For technical support, firmware updates, and additional resources, please visit the official Sony support website for the ILME-FX6V model.

Note: As this is a renewed product, specific warranty terms may differ from new products. Always consult your purchase documentation for precise details.