Fujifilm GFX 50R

Fujifilm GFX 50R Mirrorless Digital Camera Instruction Manual

MODEL: GFX 50R

Brand: Fujifilm

1. Introduction

The Fujifilm GFX 50R is a mirrorless digital camera featuring a large 51.4MP G format CMOS image sensor and X-Processor Pro image processing engine. This camera delivers superior image quality in a compact and lightweight body, designed for street and documentary photography. It is equipped with a 0.77x 3.69M-dot organic OLED electronic viewfinder for accurate focusing and framing. Weighing approximately 145g less than the GFX 50S, the GFX 50R offers intuitive handling in a rugged, weather-sealed body, meeting the diverse needs of photographers.

2. Setup

2.1 Unboxing and Initial Inspection

Upon opening the package, ensure all components are present and undamaged. The box should contain the Camera Body, Battery, Battery Charger, Shoulder Strap, Body Cap, Manual, and U.S.A. Warranty information.

2.2 Attaching the Lens

Align the white dot on the lens with the white dot on the camera body's lens mount. Rotate the lens clockwise until it clicks into place. To remove, press the lens release button and rotate counter-clockwise.

2.3 Inserting the Battery and Memory Card

Open the battery compartment cover located at the bottom of the camera. Insert the battery with the correct orientation until it locks. Close the cover. Open the memory card slot cover (typically on the side). Insert compatible SDXC memory cards (UHS-II recommended) until they click. Close the cover.

Figure 1: Front view of the Fujifilm GFX 50R camera with a lens attached. This image highlights the camera's compact design and the lens mount.

Figure 2: Rear view of the Fujifilm GFX 50R camera, showcasing the tilting LCD screen and various control buttons and dials.

3. Operating the Camera

3.1 Powering On/Off

Locate the ON/OFF switch, typically near the shutter button. Slide it to the 'ON' position to power on the camera. Slide it to 'OFF' to power off.

3.2 Basic Shooting Modes

The GFX 50R supports various shooting modes including Bulb Mode, Time Mode, Aperture Priority, Manual, Program, and Shutter Priority. These can typically be selected via a mode dial on the camera's top plate.

3.3 Image Quality Settings

The camera captures images with an effective still resolution of 51.4 MP. Supported file formats include JPEG, Raw, and TIFF. JPEG quality levels can be set to Basic, Fine, or Normal. The bit depth is 14 Bit for rich tonal information.

3.4 Focusing

The GFX 50R utilizes Contrast Detection for autofocus. It features 117 autofocus points. Focus types include Continuous-Servo AF (C), Manual Focus (M), and Single-Servo AF (S). Focus modes are Continuous-Servo AF (AF-C), Manual Focus (MF), and Single-Servo AF (AF-S).

3.5 Exposure and White Balance

Metering methods include Average, Center-Weighted Average, Multi-Zone, and Spot. Exposure control is managed via TTL 256-zone metering. White Balance settings offer Auto, Color Temperature, Custom, Daylight, Fluorescent, Incandescent, Shade, and Underwater options.

3.6 Video Recording

The camera supports video recording with a maximum resolution of 1080p and a recording capacity of 30 minutes per clip.

4. Maintenance

To ensure the longevity and optimal performance of your Fujifilm GFX 50R, regular maintenance is recommended:

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Avoid harsh chemicals.
- **Cleaning the Lens:** Use a lens brush or blower to remove dust. For smudges, use a specialized lens cleaning solution and a microfiber cloth.
- **Sensor Cleaning:** Sensor cleaning should be performed by authorized service personnel to avoid damage.
- **Storage:** Store the camera in a dry, cool place away from direct sunlight and extreme temperatures. Use a desiccant pack if storing in humid environments.

5. Troubleshooting

If you encounter issues with your Fujifilm GFX 50R, consider the following general troubleshooting steps:

- **Camera Not Powering On:** Ensure the battery is fully charged and correctly inserted. Check if the battery contacts are clean.
- **Image Quality Issues:** Verify lens cleanliness. Check shooting mode and exposure settings. Ensure sufficient lighting.
- **Autofocus Problems:** Ensure the lens is properly attached. Check the focus mode setting. Ensure there is enough contrast in the scene for the autofocus system.
- **Memory Card Errors:** Reinsert the memory card. Try a different, compatible memory card. Ensure the card is not full or corrupted.

For persistent issues, refer to the detailed troubleshooting section in the full user manual or contact Fujifilm customer support.

6. Specifications

Feature	Specification
Compatible Mountings	Fujifilm G
Aspect Ratio	4:3
Photo Sensor Technology	CMOS
Supported File Format	JPEG, Raw, TIFF
Image Stabilization	Optical
Optical Zoom	1 x
Maximum Aperture	3.5 Millimeters
Expanded ISO Minimum	50
Metering Description	Average, Center-Weighted Average, Multi-Zone, Spot
Model Name	GFX 50R
Are Batteries Included	Yes
Model Number	GFX 50R Body
Remote Included	No
Model Series	GFX
UPC	074101040128
Connectivity Technology	2.5mm Sub-Mini, 3.5mm Headphone, 3.5mm Microphone, DC Input, HDMI D (Micro), USB Type-C (USB 3.0)
Hardware Interface	AV Port
Wireless Technology	Wi-Fi, Bluetooth
HDMI Type	Type D Micro HDMI
Video Output	Micro-HDMI
Total USB 3.0 Ports	1
Total USB Ports	1
Total Video Out Ports	1
Shooting Modes	Bulb Mode, Time Mode, Aperture Priority, Manual, Program, Shutter Priority
Digital-Still	Yes
Movie Mode	Yes
Image Capture Type	Stills & Video

Feature	Specification
Night vision	No
Auto Focus Technology	Contrast Detection
Focus Features	Autofocus
Autofocus Points	117
Focus Type	Continuous-Servo AF (C), Manual Focus (M), Single-Servo AF (S)
Focus Mode	Continuous-Servo AF (AF-C), Manual Focus (MF), Single-Servo AF (AF-S)
Autofocus	No
File Format	JPEG, Raw, TIFF
Effective Still Resolution	51.4 MP
JPEG Quality Level	Basic, Fine, Normal
Supported Image Format	JPEG, Raw, TIFF
Maximum Image Size	36.5 MB
Bit Depth	14 Bit
Total Still Resolution	51 MP
Lens Type	G-mount lens
Lens Construction	G Mount
Metering Methods	Average, Center-Weighted Average, Multi-Zone, Spot
Exposure Control	TTL 256-zone metering Multi, Spot, Average, Center-Weighted
White Balance Settings	Auto, Color Temperature, Custom, Daylight, Fluorescent, Incandescent, Shade, Underwater
Self Timer	10 Seconds
Screen Size	3.2 Inches
Display Type	LCD
Dots Per Screen	872742
Display Fixture Type	Tilting
Touch Screen Type	No Touch
Display Resolution Maximum	2,360,000
Has Color Screen	Yes
Flash Memory Type	SDXC

Feature	Specification
Recording Capacity	30 Minutes
Write Speed	> 250 MB/s
Flash Memory Speed Class	UHS-II
Flash Memory Bus Interface Type	SD (Secure Digital) card interface
Flash Memory Installed Size	2000 GB
Sensor Type	CMOS
Image stabilization	Optical
Supported Media Type	ProductImage, Video
Photo Sensor Resolution	51 MP
Photo Sensor Size	Medium Format (>35mm)
Minimum Shutter Speed	1/4000 Seconds
Form Factor	Mirrorless
Special Feature	Interval Recording
Color	Black
Light Sensitivity	ISO 50 to ISO 102400
Video Resolution	1080p
Viewfinder	Electronic
ISO Range	50-12800
Flash Modes	TTL
Camera Flash	Hot Shoe, PC Terminal
Has Self-Timer	Yes
Compatible Devices	Fujifilm G mount devices
Continuous Shooting	6 FPS
Aperture modes	Aperture Priority, Manual
Viewfinder Magnification	0.77x

7. Warranty and Support

Your Fujifilm GFX 50R comes with a U.S.A. Warranty. Please refer to the warranty card included in your

product packaging for specific terms and conditions. For technical support, service, or further inquiries, please visit the official Fujifilm support website or contact their customer service.