

Fujifilm GFX100 II

Fujifilm GFX100 II Mirrorless Medium Format Camera Body User Manual

MODEL: GFX100 II

1. Introduction

This manual provides essential information for the safe and effective use of your Fujifilm GFX100 II Mirrorless Medium Format Camera Body. Please read this manual thoroughly before using the camera and keep it in a safe place for future reference.

The Fujifilm GFX100 II features a 102-megapixel large-format sensor and X-Processor 5, offering high-speed continuous shooting, advanced autofocus capabilities, and comprehensive video features. It is designed for both professional photography and filmmaking applications.



Figure 1.1: Front view of the Fujifilm GFX100 II camera body, showcasing the lens mount and grip.

2. Setup

2.1. Battery Installation

1. Ensure the camera is powered off.
2. Open the battery compartment cover located at the bottom of the camera.
3. Insert the supplied Lithium-Ion battery, ensuring the correct orientation as indicated inside the compartment.
4. Close the battery compartment cover securely.

2.2. Memory Card Insertion

The GFX100 II supports UHS-II compatible memory cards for optimal performance.

1. Locate the memory card slot cover on the side of the camera.
2. Open the cover.
3. Insert the memory card(s) into the designated slot(s) until they click into place. Ensure the card is facing the correct direction.
4. Close the memory card slot cover securely.



Figure 2.1: Side view of the camera with the memory card compartment open, showing the slots for memory cards.

2.3. Lens Attachment

The GFX100 II uses the Fujifilm X mount. Align the mounting marks on the lens and camera body, then rotate the lens clockwise until it locks into place.

2.4. Initial Power On

After installing the battery and memory card, turn the camera on using the power switch. Follow any on-screen prompts for initial setup, such as setting the date and time.

3. Operating the Camera

3.1. Camera Controls and Display

Familiarize yourself with the camera's physical controls, including the electronic viewfinder (EVF), rear LCD screen, and various buttons and dials. The rear LCD is a 3.2-inch tilting capacitive touchscreen.



Figure 3.1: Rear view of the camera, highlighting the LCD screen, EVF, and control layout.

Burst Shot

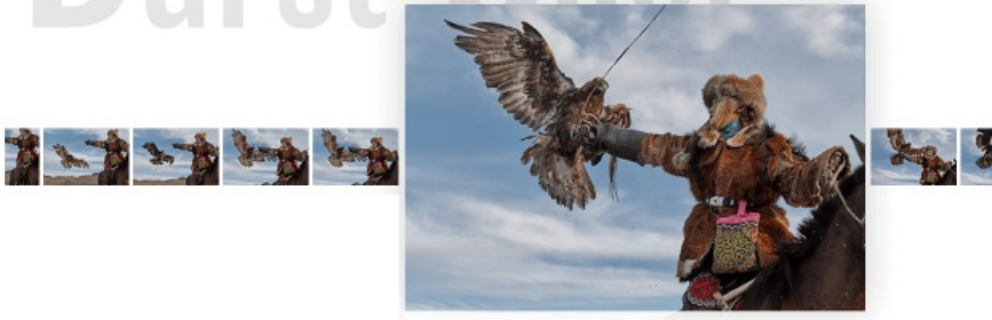


Figure 3.2: An example of the view through the high-resolution electronic viewfinder.

3.2. Shooting Modes and Performance

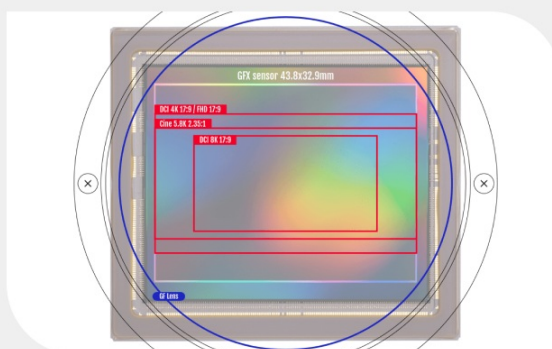
The GFX100 II offers various shooting modes, including automatic exposure control. It can capture 102MP images at up to 8 frames per second (fps) using the mechanical shutter.



Figure 3.3: Illustration of the camera's burst shooting capability, capturing a rapid sequence of images.

3.3. Autofocus System

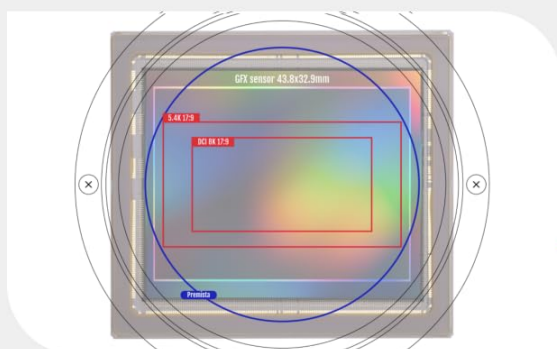
The camera features an advanced autofocus system with subject detection capabilities, powered by the X-Processor 5. It can accurately track various subjects, including humans, animals, birds, cars, motorcycles, bicycles, airplanes, and trains.



SUPPORT FOR MULTIPLE CINE RECORDING FORMATS GF FORMAT

In addition to GFX large format, GFX100 II supports various cine recording formats, including Premista, 35mm, and anamorphic (35mm).

Figure 3.4: Visual representation of the subject detection autofocus system in action, highlighting a basketball player.



SUPPORT FOR MULTIPLE CINE RECORDING FORMATS

PREMISTA FORMAT

With a basic GF to PL adapter, cinematographers anywhere can use GFX100 II's massive imaging sensor with some of the world's most legendary cinema optics, including Fujinon's collection of Premista and Cabrio Zoom Lenses.

Figure 3.5: An example of the updated AF prediction algorithm tracking a fast-moving subject like a wakeboarder.

3.4. In-Body Image Stabilization (IBIS)

The GFX100 II incorporates an in-body image stabilization system, providing up to 8 stops of stability to reduce camera shake, especially beneficial in low-light conditions or with longer focal lengths.



Photo © 2023 Markus Berger

UPDATED AF ALGORITHM

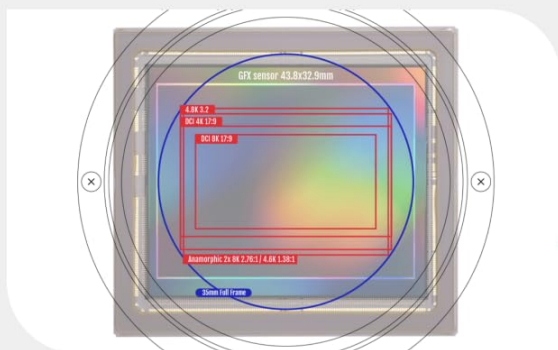
GFX100 II uses an updated AF prediction algorithm to deliver reliable performance in sports and other situations where accurate, high-speed motion tracking is needed.

Figure 3.6: Diagram showing the internal structure of the in-body image stabilization system.

3.5. Video Recording

The camera supports internal recording of 4:2:2, 10-bit Apple ProRes, and can output 12-bit 4:2:2 Apple ProRes RAW or Blackmagic RAW via HDMI. Resolutions up to 8K/30p are supported, or 4K/60p across the full width of the 55mm sensor.

Direct recording to an external SSD via USB Type-C is also possible for various formats, including 4K/60p and 8K/30p.



SUPPORT FOR MULTIPLE CINE RECORDING FORMATS **ANAMORPHIC (35MM)**

For storytellers with wider aspirations, there are also two different high resolution 35mm FF Anamorphic recording modes that provide various de-squeeze monitoring options in-camera.

Figure 3.7: The camera connected to an external SSD for direct video recording.

3.6. Film Simulation Modes

Leverage Fujifilm's unique color science with various film simulation modes, including the new REALA ACE mode, which provides neutral color reproduction with high-contrast tonal gradations.

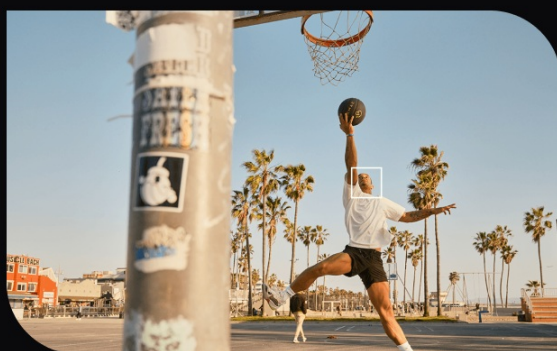


Photo © 2023 Hendrik Osula

SUBJECT **DETECTION AF**

X-Processor 5 features subject detection AF, which delivers an autofocus performance previously unseen on a large format camera. Built using deep-learning AI technology, its advanced AF tracking and detection not only works on human faces and eyes, but also animals, birds, cars, motorcycles, bicycles, airplanes, and trains. With such power on tap, photographers can concentrate on creativity, confident GFX100 II will produce an autofocus performance to match.

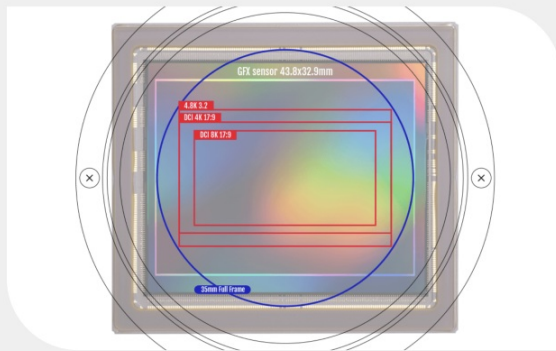
Figure 3.8: An example image demonstrating the REALA ACE film simulation mode.

3.7. Connectivity

The GFX100 II offers extensive connectivity options, including Wi-Fi, Ethernet, HDMI, and USB. It features integrated support for Frame.io Camera to Cloud for streamlined workflows.



Figure 3.9: Side view of the camera with port covers open, showing various connectivity options.



SUPPORT FOR MULTIPLE CINE RECORDING FORMATS

35MM FORMAT

For storytellers with wider aspirations, there are also two different high resolution 35mm FF Anamorphic recording modes that provide various de-squeeze monitoring options in-camera.

Figure 3.10: An illustration of the Frame.io Camera to Cloud integration for direct file delivery.

3.8. Cine Recording Formats

The GFX100 II supports multiple cinema formats, including full-width GF Format, FUJINON PREMISTA (Vista Vision), 35mm, and 35mm Anamorphic recording modes.

- **GF Format:** Utilizes the full width of the large format sensor.
- **PREMISTA Format:** Compatible with FUJINON PREMISTA and CABRIO Zoom Lenses via a GF to PL adapter.
- **35mm Format:** Standard 35mm cinema crop.
- **Anamorphic (35mm):** Offers high-resolution anamorphic recording with in-camera de-squeeze monitoring.



Figure 3.11: Visual representation of the GF Format crop on the camera's sensor.



Figure 3.12: Visual representation of the Premista Format crop on the camera's sensor.



Figure 3.13: Visual representation of the 35mm Format crop on the camera's sensor.



Figure 3.14: Visual representation of the Anamorphic (35mm) Format crop on the camera's sensor.

4. Maintenance

4.1. Cleaning the Camera

- Use a soft, lint-free cloth to clean the camera body.
- For the lens and sensor, use specialized cleaning tools and solutions designed for camera optics. Avoid touching the sensor directly.
- Do not use organic solvents or strong chemical cleaners.

4.2. Battery Care

- Charge the battery fully before first use.
- Store batteries in a cool, dry place when not in use.
- Avoid exposing batteries to extreme temperatures.

4.3. Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, dust-free environment, preferably with a desiccant to prevent mold and mildew.

5. Troubleshooting

If you encounter issues with your GFX100 II, refer to the following general troubleshooting steps:

- **Camera does not power on:** Check if the battery is charged and correctly inserted.
- **Autofocus issues:** Ensure the lens is clean and properly mounted. Check AF mode settings.
- **Image quality concerns:** Verify lens cleanliness, sensor cleanliness, and appropriate shooting settings (ISO, aperture, shutter speed).
- **Recording errors:** Ensure the memory card has sufficient space and is compatible (UHS-II recommended). Check external SSD connection if applicable.

For more detailed troubleshooting, consult the official Fujifilm support website or contact customer service.

6. Specifications

Key technical specifications for the Fujifilm GFX100 II camera body:

Feature	Specification
Model Name	GFX100II Body
Sensor Type	CMOS
Photo Sensor Resolution	102 MP
Photo Sensor Size	Medium Format (>35mm)
Processor	Fujifilm X-Processor 5
Image Stabilization	In-Body Image Stabilization (up to 8-stops)
Continuous Shooting	8 fps

Feature	Specification
Video Resolution	Up to 8K/30p, 4K/60p (full width)
Supported Video Formats	Apple ProRes (internal), Apple ProRes RAW, Blackmagic RAW (external via HDMI)
Display	3.2 Inches Tilting LCD Touchscreen
Viewfinder	9.44M dot Electronic Viewfinder (EVF)
Compatible Mountings	Fujifilm X
Connectivity	Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Weight	948 Grams
UPC	074101209129

7. Warranty and Support

7.1. Manufacturer's Warranty

The Fujifilm GFX100 II Mirrorless Medium Format Camera Body comes with a 1-Year Manufacturer's Warranty. Please retain your proof of purchase for warranty claims.

7.2. Customer Support

For technical assistance, service, or additional information, please visit the official Fujifilm support website or contact their customer service department. Contact details can typically be found on the Fujifilm website or in the packaging materials.

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