

Specifications

Model Name	FUJIFILM GFX100RF
Image Sensor	43.8mm×32.9mm GFX 102MP CMOS II with primary color filter
Number Of Effective Pixels	102 million pixels
Image Processing Engine	X-Processor 5
Storage Media	SD Card (-2GB) SDHC Card (-32GB) SDXC Card (-2TB) UHS-I UHS-II Video Speed Class V90 SSD (-2TB) *Please see the Fujifilm website (https://fujifilm-x.com/support/compatibility/cameras/) to check memory compatibility.
File Format Of Still Image	DCF Compliant with Design rule for Camera File system (DCF2.0) JPEG Exif Ver.2.32 HEIF 4:2:2 10bit RAW 14bit / 16bit RAW (RAF original format) TIFF 8bit / 16bit RGB (In-camera Raw Conversion Only) Notes *Exif 2.32 is a digital camera file format that contains a variety of shooting information for optimal printing
Number Of Recorded Pixels	[L] 4:3: 11648 x 8736 3:2: 11648 x 7768 16:9: 11648 x 6552 65:24: 11648 x 4304 176: 11648 x 4112 5:4: 10928 x 8736 7:6: 10192 x 8736 1:1: 8736 x 8736 3:4: 6544 x 8736
	[M] 4:3: 8256 x 6192 3:2: 8256 x 5504 16:9: 8256 x 4640 65:24: 8256 x 3048 176: 8256 x 2912 5:4: 7744 x 6192 7:6: 7232 x 6192 1:1: 6192 x 6192 3:4: 4640 x 6192
	[S] 4:3: 4000 x 3000 3:2: 4000 x 2664 16:9: 4000 x 2248 65:24: 4000 x 1480 176: 4000 x 1408 5:4: 3744 x 3000

7:6: 3504 x 3000
1:1: 2992 x 2992
3:4: 2240 x 3000

Lens

Type FUJINON single focal length lens
Focal Length f=35mm (35mm format equivalent : 28mm)
Max. Aperture F4
Lens Configuration 10 elements in 8 groups (includes 2 aspherical elements)
ND Filter Yes (4 stops)

Aperture F4 – F22 1/3EV step (controlled with 9-blade aperture diaphragm)

Minimum focus distance (measured from the front of the lens) Approx. 0.2m

Digital Tele-Converter 80mm(63mm)
63mm(50mm)
45mm(36mm)

OFF

*The values in parentheses are 35mm format equivalent

Sensitivity

Still Image	Standard Output	AUTO1 AUTO2 AUTO3 ISO80~12800 (1/3 step)
	Extended Output	ISO40 ISO25600 ISO51200 ISO102400

Movie	Standard Output	AUTO ISO100~12800 (1/3 step)
	Extended Output	ISO25600

Exposure Control TTL 256-zone metering
Multi
Spot
Average
Center Weighted

Exposure Mode P (Program AE)
A (Aperture Priority AE)
S (Shutter Speed Priority AE)
M (Manual Exposure)

Exposure Compensation

Still -5.0EV~+5.0EV 1/3EV step
Movie -2.0EV~+2.0EV 1/3EV step

Image Stabilizer

Digital Image Stabilization		Yes (movie mode only)	
IS MODE BOOST		Yes (movie mode only)	
Shutter Type	Lens Shutter		
Shutter Speed			
	Mechanical Shutter	P Mode	30sec. to 1/4000sec.
		A Mode	30sec. to 1/4000sec.
		S/M Mode	60min. to 1/4000sec.
		Bulb	up to 60min.
	Electronic Shutter	P Mode	30sec. to 1/16000sec.
		A Mode	30sec. to 1/16000sec.
		S/M Mode	60min. to 1/16000sec.
		Bulb	1sec. Fixed
		Notes	*The Electronic Shutter may not be suitable for fast-moving objects o be used.
Mechanical + Electronic Shutter	P Mode	30sec. to 1/16000sec.	
	A Mode	30sec. to 1/16000sec.	
	S/M Mode	60min. to 1/16000sec.	
	Bulb	up to 60min.	
	Notes	*Mechanical shutter works until 1/4000sec. *The Electronic Shutter may not be suitable for fast-moving objects o be used.	
	Movie	4K/DCI4K	1/4000sec. to 1/8 sec.
		FHD	1/4000sec. to 1/8 sec.
		Notes	*Cannot choose slower shutter speed than framerate for some setting
Continuous Shooting			
CH			
Electronic Shutter Approx. 3.0fps	JPEG	1000+ frames	
	Compressed RAW	508 frames	
	Lossless Compressed RAW	45 frames	
	Uncompressed RAW	20 frames	
	Compressed RAW + JPEG	41 frames	
	Lossless Compressed RAW + JPEG	29 frames	
	Uncompressed RAW + JPEG	16 frames	
Mechanical Shutter Approx. 6.0fps	JPEG	296 frames	
	Compressed RAW	40 frames	
	Lossless Compressed RAW	20 frames	
	Uncompressed RAW	17 frames	
	Compressed RAW + JPEG	19 frames	
	Lossless Compressed RAW + JPEG	15 frames	
	Uncompressed RAW + JPEG	12 frames	

Mechanical Shutter Approx. 4.0fps	JPEG	1000+ frames
	Compressed RAW	83 frames
	Lossless Compressed RAW	25 frames
	Uncompressed RAW	18 frames
	Compressed RAW + JPEG	38 frames
	Lossless Compressed RAW + JPEG	21 frames
	Uncompressed RAW + JPEG	13 frames

CL

Mechanical Shutter Approx. 2.0fps	JPEG	1000+ frames
	Compressed RAW	1000+ frames
	Lossless Compressed RAW	337 frames
	Uncompressed RAW	26 frames
	Compressed RAW + JPEG	312 frames
	Lossless Compressed RAW + JPEG	42 frames
	Uncompressed RAW + JPEG	20 frames

Notes *No. of recordable frames are calculated based on a cold start

*Recordable frames depends on recording media

*Speed of continuous shooting depends on shooting environment and shooting frames

Drive Mode

AE Bracketing	2 frames
	3 frames
	5 frames
	7 frames
	9 frames
	*by 1/3EV step, up to ± 3 EV steps

Filmsimulation Bracketing Any 3 types of film simulation selectable

Dynamic Range Bracketing	100%
	200%
	400%

ISO Sensitivity Bracketing	$\pm 1/3$ EV
	$\pm 2/3$ EV
	± 1 EV

White Balance Bracketing	± 1
	± 2
	± 3

Focus Bracketing	AUTO
	MANUAL

Multiple Exposure	Yes (Max. 9 frames)
	Additive
	Average
	Bright
	Dark

Focus

Mode	Single AF
	Continuous AF
	MF

Type Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF)

Low-Light Performance Contrast -0.0EV

	Phase Detection	-3.0EV
AF Frame Selection	Single Point AF	13×9 / 25×17 (Changeable size of AF frame)
	Zone AF	3×3 / 5×5 / 7×7 / Custom1-3 from 117 areas on 13×9 grid
	All	Yes
	Subject Detection	Yes (Animal/Bird/Automobile/Motorcycle&Bike/Airplane/Train)
Flash		
	Shoe Mount Flash	Sync. Mode 1st Curtain 2nd Curtain
	Flash Mode	TTL (TTL AUTO / STANDARD / SLOW SYNC.) MANUAL MULTI *When EF-X500 is set OFF
Hot Shoe		Yes (Dedicated TTL Flash compatible)
Viewfinder		
	EVF	EVF 0.5 inch OLED Color Viewfinder/Approx. 5.76 million dots Approx. 5.76 million dots
	Coverage Of Viewing Area Vs. Capturing Area	Approx. 100%
	Eyepoint	Approx. 24mm (from the Rear End of the Camera's Eyepiece)
	Diopter Adjustment	-5~+3m ⁻¹
	Magnification	0.84x with 50mm Lens (35mm Equivalent) at infinity and Diopter set t
	Diagonal Angle Of View	approx. 40° (Horizontal angle of view: approx. 32°) Built-In Eye Sensor
LCD Monitor		
	LCD Monitor	3.15 inch Tilt-Type Touch Screen Color LCD Monitor
	Aspect Ratio	3:2
	Dots	Approx. 2.10 million dots
Touch Screen Mode		
	Shooting Mode	AF Focus Area OFF Double Tap Setting (ON/OFF) Touch Function Setting (ON/OFF) EVF Touch Screen Area Setting
	Playback Mode	Swipe Pinch-in / Pinch-out Double-tap Drag
Movie Recording		
	File Format	MOV Apple ProRes 422 HQ, Linear PCM (Stereo sound 24bit / 48KHz sam Apple ProRes 422, Linear PCM (Stereo sound 24bit / 48KHz samplin Apple ProRes 422 LT, Linear PCM (Stereo sound 24bit / 48KHz sam

		HEVC/H.265, Linear PCM (Stereo sound 24bit / 48KHz sampling)
		MPEG-4 AVC/H.264, Linear PCM (Stereo sound 24bit / 48KHz sampling)
MP4		MPEG-4 AVC/H.264, AAC
Movie Compression		All Intra
		Long GOP
DCI4K(17:9)	File Size	4096 x 2160
	Frame Rate	29.97p
		25p
		24p
		23.98p
	Bitrate	720Mbps
360Mbps		
200Mbps		
100Mbps		
50Mbps		
4K(16:9)	File Size	3840 x 2160
	Frame Rate	29.97p
		25p
		24p
		23.98p
	Bitrate	720Mbps
360Mbps		
200Mbps		
100Mbps		
50Mbps		
Full HD(17:9)	File Size	2048 x 1080
	Frame Rate	59.94p
		50p
		29.97p
		25p
		24p
23.98p		
Bitrate	720Mbps	
	360Mbps	
	200Mbps	
	100Mbps	
	50Mbps	
Full HD(16:9)	File Size	1920 x 1080
	Frame Rate	59.94p
		50p
		29.97p
		25p
		24p
23.98p		

Bitrate	720Mbps
	360Mbps
	200Mbps
	100Mbps
	50Mbps

- Notes**
- *Selectable mode will be changed depending on the "Image Format" setting.
 - *For recording movies, use a SD memory card with UHS Speed Class 3 or higher.
 - *For recording movies in 360Mbps, use a SD memory card with Video Speed Class 60 or higher.
 - *For recording movies in 720Mbps, use a SD memory card with Video Speed Class 90 or higher.
 - *Selectable bitrate will be changed depends on the setting.
 - *Apple ProRes codec can be only recorded to SSD
 - *Bitrate for Apple ProRes codec is not selectable.
 - *Recording time can become short depending on the temperature and/or shooting conditions

Film Simulation Mode

20 modes

PROVIA/Standard

Velvia/Vivid

ASTIA/Soft

Classic Chrome

REALAACE

PRO Neg.Hi

PRO Neg.Std

Classic Neg.

Nostalgic Neg.

ETERNA/Cinema

ETERNA BLEACH BYPASS

ACROS

ACROS + Ye Filter

ACROS + R Filter

ACROS + G Filter

Black & White

Black & White + Ye Filter

Black & White + R Filter

Black & White + G Filter

Sepia

Monochromatic Color

Yes

Grain Effect

Roughness STRONG, WEAK, OFF

Size LARGE, SMALL

Color Chrome Effect

STRONG, WEAK, OFF

Color Chrome Blue

STRONG, WEAK, OFF

Smooth Skin Effect

STRONG, WEAK, OFF

Dynamic Range Setting

Still	Still	AUTO / 100% / 200% / 400%
	ISO Restriction	DR100%: No limit、DR200%: ISO160 or more、DR400%: ISO320 o
Movie	Movie	100% / 200% / 400%
	ISO Restriction	DR100%: No limit、DR200%: ISO200 or more、DR400%: ISO400 o

White Balance

Auto White Priority
Auto
Ambience Priority

Custom Custom1 – 3

Color Temperature Selection 2500K~10000K

Preset Daylight
Shade
Fluorescent Light-1
Fluorescent Light-2
Fluorescent Light-3
Incandescent Light
Underwater

Clarity Setting ±5 steps

Self-timer

Still 10sec.

2sec.

Movie 10sec.

5sec.

3sec.

Interval Timer Shooting Yes (Setting : Interval, Number of shots, Starting time, Interval timer shooting exposure smoothing, Inten

Wireless Transmitter

Standard IEEE802.11a/b/g/n/ac (standard wireless protocol)

Encryption WPA/WPA2 mixed mode, WPA3

Access Mode Infrastructure

Bluetooth®

Standard Bluetooth Ver. 4.2 (Bluetooth low energy)

Operating Frequency (Center Frequency) 2402 ~ 2480MHz

Terminal

Digital Interface USB Type-C USB 10Gbps

HDMI Output HDMI Micro connector (Type D)

Others ø3.5mm, stereo mini connector (Microphone & Remote Release)

ø3.5mm, stereo mini connector (Headphone)

Hot shoe

Power Supply

Power Supply NP-W235 Li-ion battery (included)

Battery Life For Still Images Normal Mode

Approx. 820 frames

Notes

*Auto power save ON

Actual Battery Life Of Movie Capture 4K

Approx. 100min. (29.97p)

Full HD

Approx. 90min. (59.94p)

Notes

*Face detection is set to OFF

Continuance Battery Life Of Movie 4K

Approx. 140min. (29.97p)

Capture

	Full HD	Approx. 140min. (59.94p)
	Notes	*Face detection is set to OFF *Approximate number of frames or movie recording time that can be recorded is based on the CIPA Standard.
Dimensions		
	Width	133.5mm
	Height	90.4mm
	Depth	76.5mm
	(Minimum Depth)	37.2mm
Weight		
	Including Battery And Memory Card	Approx. 735g
	Excluding Battery And Memory Card	Approx. 654g
Operation Environment		
	Operating Temperature	-10°C~+40°C
	Operating Humidity	10%~80% (no condensation)
Starting up period	Approx. 0.6sec.	
Accessories Included	Li-ion battery NP-W235 USB cable Shoulder strap Clip attaching tool Lens cap Lens hood Hood cap Adapter ring Protector filter Hot shoe cover	

Media Rec (SD memory card)

Resolution/Aspect	Size	Frame rate	File format/Compression	Bit rate*2	Bit depth	HDMI outupt Resolution(Frame rate)/Sampling/Bit depth	
DCI4K 17:9	4096 x 2160	29.97p	ProRes 422 HQ MOV*1	1877Mbps(59.94p)*3	10bit	DCI4K/4K 4:2:2 10bit	
	3840 x 2160	25.00p	ProRes 422 MOV*1	1254Mbps(59.94p)*3			
4K 16:9		24.00p	ProRes 422 LT MOV*1	870Mbps(59.94p)*3			
				H.265 All-Intra 4:2:2 MOV			720Mbps
			23.98p	H.265 All-Intra 4:2:0 MOV			360Mbps

Resolution/Aspect	Size	Frame rate	File format/Compression	Bit rate*2	Bit depth	HDMI outupt Resolution(Frame rate)/Sampling/Bit depth
			H.265 Long GOP 4:2:2 MOV	720Mbps	8bit	DCI4K/4K 4:2:2 8bit
			H.265 Long GOP 4:2:0 MOV	200Mbps		
			H.265 Long GOP 4:2:2 MOV	360Mbps		
			H.265 Long GOP 4:2:0 MOV	100Mbps		
			H.265 Long GOP 4:2:2 MOV	50Mbps		
			H.264 All-Intra 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	200Mbps		
			H.264 Long GOP 4:2:0 MOV	100Mbps		
			H.264 Long GOP 4:2:0 MOV	50Mbps		
			H.264 All-Intra 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	200Mbps		
			H.264 Long GOP 4:2:0 MOV	100Mbps		
			H.264 Long GOP 4:2:0 MOV	50Mbps		
FHD 17:9 16:9	2048 x 1080 1920 x 1080	59.94p	ProRes 422 HQ MOV*1	469Mbps(FHD16:9 59.94p)*3	10bit	FHD 4:2:2 10bit*5
		50.00p	ProRes 422 MOV*1	314Mbps(FHD16:9 59.94p)*3		
		29.97p	ProRes 422 MOV*1	314Mbps(FHD16:9 59.94p)*3		
		25.00p	ProRes 422 LT MOV*1	218Mbps(FHD16:9 59.94p)*3		
		24.00p	H.265 All-Intra 4:2:2 MOV	720Mbps		
		24.00p	H.265 All-Intra 4:2:0 MOV	360Mbps		
		23.98p	H.265 Long GOP 4:2:2 MOV	720Mbps		
		23.98p	H.265 Long GOP 4:2:2 MOV	360Mbps		
		23.98p	H.265 Long GOP 4:2:0 MOV	200Mbps		
		23.98p	H.265 Long GOP 4:2:0 MOV	100Mbps		
		23.98p	H.265 Long GOP 4:2:0 MOV	50Mbps		
		23.98p	H.264 All-Intra 4:2:0 MOV	360Mbps		
		23.98p	H.264 Long GOP 4:2:0 MOV	360Mbps		
		23.98p	H.264 Long GOP 4:2:0 MOV	200Mbps		
		23.98p	H.264 Long GOP 4:2:0 MOV	100Mbps		
		23.98p	H.264 Long GOP 4:2:0 MOV	50Mbps		
			H.265 Long GOP 4:2:2 MOV	720Mbps	8bit	FHD 4:2:2 8bit*5
			H.265 Long GOP 4:2:0 MOV	200Mbps		
			H.265 Long GOP 4:2:2 MOV	360Mbps		
			H.265 Long GOP 4:2:0 MOV	100Mbps		
			H.265 Long GOP 4:2:2 MOV	50Mbps		
			H.264 All-Intra 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	200Mbps		
			H.264 Long GOP 4:2:0 MOV	100Mbps		
			H.264 Long GOP 4:2:0 MOV	50Mbps		
			H.264 All-Intra 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	360Mbps		
			H.264 Long GOP 4:2:0 MOV	200Mbps		
			H.264 Long GOP 4:2:0 MOV	100Mbps		
			H.264 Long GOP 4:2:0 MOV	50Mbps		

HDMI Output

Resolution/Aspect	Size	Frame rate	HDMI outupt Resolution(Frame rate)/Sampling/Bit depth	Crop Magnification
DCI4K 17:9	4096 x 2160	29.97p	DCI4K/4K 4:2:2 10bit	DIS ON
				1

Resolution/Aspect	Size	Frame rate	HDMI output		
			Resolution(Frame rate)/Sampling/Bit depth	Crop	Magnification
4K 16:9	3840 x 2160	25.00p			
		24.00p			
		23.98p			
FHD 17:9 16:9	2048 x 1080 1920 x 1080	59.94p 50.00p 29.97p 25.00p 24.00p 23.98p	FHD 4:2:2 10bit*5	1.32x	1

- *1 ProRes codec can be recorded to only SSD
- *2 Bit rate will be changed depend on the subject
- *3 Bit rate for ProRes codec can not be selected
- *4 The resolution from HDMI output is different from selected setting
- *5 When the aspect ratio is not 16:9, the image is output in 16:9 with a black band.