

RICOH GR IV Monochrome

Camera Type	Single lens - compact digital-still camera	Exposure Control	
Lens		Exposure Mode	Program AE, Aperture Priority AE, Shutter Priority AE, Snap Distance Priority AE, Manual Exposure
Construction	7 elements in 5 groups (3 aspherical lens elements)	Metering Mode	Multi-segment, Center-weighted, Spot, Highlight-weighted
Focal Length	18.3 mm (approx. 28 mm in 35 mm equivalent focal length)	Shutter Speed	1/4000 to 30 sec. (limit by aperture – F2.8: up to 1/2500 sec., F5.6 or higher: up to 1/4000 sec.) High-speed electronic shutter (F2.8: 1/3,200-1/16,000 sec, F5.6-16: 1/5,000-1/16,000 sec) Timed exposure (10 sec. to 20 min.), Bulb, Time
Aperture	F2.8 to F16	Exposure Compensation	Still image: ±5 EV, 1/3 EV steps, Movie: ±2 EV, 1/3 EV steps
Crop	Off, 35mm, 50mm	Red Filter	On, Off
Image Capture Unit		Flash	
Image Sensor	23.5 mm × 15.6 mm, Monochrome CMOS sensor, Backside Illuminated	Internal Flash	no internal flash
Effective Pixels:	Approx. 25.74 megapixels	Hot shoe	Compatible with dedicated flashes (COMPACT FLASH GF-2) Flash Mode: Flash On, Flash On+Red-eye, Slow-speed Sync, Slow Sync+Red-eye Flash Output: Auto, 1/1, 1/4
Sensitivity (Stand. output)	ISO 160 to ISO 409600 Auto (ISO Auto Lower/ Upper Limit and Minimum Shutter Speed can be set), Manual	Flash Sync	All shutter speed values
Noise Reduction	Slow Shutter Speed Noise Reduction, High-ISO Noise Reduction	Drive Mode	
Image Stabilization	IBIS - Sensor-shift shake reduction "SR" (5-axis)	Drive	Single Frame Shooting, Continuous Shooting, Bracketing, Multi-exposure, Interval Shooting, Interval Composite
AA Filter Simulator	Moiré reduction using the SR unit (Off, Low, High)	Self-timer	10 sec., 2 sec., Off
Dust Removal	Image sensor cleaning using ultrasonic vibrations "DR II"	Shooting Functions	
Horizon Correction	SR On: Correction up to 1 degree SR Off: Correction up to 1.5 degrees	Image Control	Standard, Solid, Soft, Hi-Contrast, Grainy, HDR Tone, Custom 1, Custom2, Custom3 Adjust parameters: High/Low Key Adjustment, Contrast, Contrast (Highlight), Contrast (Shadow), Sharpness, Shading, Clarity, Toning, Grain Effect, HDR Tone Level (Adjust parameter varies depending on the selected image setting)
File Formats		Dynamic Range Correction	Highlight Correction, Shadow Correction
Still Image	RAW (DNG) 14bit, JPEG (Exif 2.3 compliant), DCF 2.0 compliant Color Space: sRGB, AdobeRGB Recorded Pixels: [3:2] L (26M: 6192 × 4128), M (16M: 4944 × 3296), S (8.2M: 3504 × 2336), XS (2.5M: 1920 × 1280) [4:3] L (23M: 5504 × 4128), M (15M: 4400 × 3296), S (7.3M: 3120 × 2336), XS (2.8M: 1920 × 1440) [1:1] L (17M: 4128 × 4128), M (11M: 3296 × 3296), S (5.5M: 2336 × 2336), XS (1.6M: 1280 × 1280) [16:9] L (22M: 6192 × 3480), M (14M: 4944 × 2784), S (6.9M: 3504 × 1968), XS (2.1M: 1920 × 1080)	Playback Functions	
Movie	MPEG4 AVC/H.264 (MOV) Recorded Pixels: Full HD (1920 × 1080, 60p/30p/24p) Sound Recording: Built-in stereo microphone Recording Time: Up to 4 GB or 25 minutes; automatically stops recording if the internal temperature of the camera becomes high	Playback View	Single image display, Multi-image display (20 images, 48 images), Display magnification (up to 16×; 100% view and Quick Zoom view available), Histogram (Y histogram, RGB histogram), Grid Guide (3×3 Grid, 4×4 Grid), Highlight Alert, Auto Image Rotation, Calendar Filmstrip Display
Storage Media	Internal memory (approx. 53 GB), microSD/microSDHC/microSDXC memory card (microSDHC memory card and microSDXC memory card conform to UHS-I standards)	Base Parameter Adjustment	Parameter: Brightness, Toning, Contrast, Sharpness
Image Storage Capacity	JPEG - L: 3:2 – 26M: 6192 × 4128 – 2,911	RAW Development	RAW file select: Select Single Image, Select Multiple Images, Select a folder, Select a shooting date RAW Development Parameter: Aspect Ratio, JPEG Recorded Pixels, Color Space, Image Control, Peripheral Illumination Correction, Sensitivity, High-ISO Noise Reduction, Shadow Correction
Internal Memory	JPEG - XS: 3:2 – 2.5M: 1920 × 1280 – 27,114	Edit	Delete, Protect, Image Rotation, Image Copy, File Transfer, Resize, Cropping (Aspect ratio and Slant adjustment available), Levels Adjustment, Movie Edit (Cut), Movie Edit (Divide), Save Movie Frame as Image
53 GB	RAW: 3:2 – 26M: 6192 × 4128 – 937 RAW+: 3:2 – 26M: 6192 × 4128 – 708 Full HD: 16:9 – 30 fps 1920 x 1080 – 1:26'56"		
Focus			
Type	Hybrid AF (image plane phase-matching detection and contrast detection)		
Focus Mode	Auto-area AF, Select AF, Pinpoint AF, Tracking AF, Continuous AF, MF, Snap (0.3 m, 1 m, 1.5 m, 2 m, 2.5 m, 3.5 m, 5 m, ∞), ∞		
Focus Range (from lens face)	Normal mode: Approx. 0.1 m to ∞ Macro mode: Approx. 0.06 to 0.15 m		
Focus Limiter	Near Side, Far Side, Off		
Full Press Snap	Shooting by focusing at the Snap distance with a single press of the shutter release button or a touch on the monitor		
Face/Eye Detection	On, Use only in Auto-area AF, Off		

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LCD Monitor		Power Supply	
Type	3.0-inch wide viewing angle TFT color LCD (aspect ratio: 3:2) with air-gapless tempered glass, Approx. 1037K dots	Battery Type	Rechargeable Battery DB-120
Touch Screen	Capacitive sensing type	Nominal Voltage	3.85 V
Adjustments	Brightness, Saturation, Blue/Amber, Green/ Magenta, Outdoor View Setting (Auto, Manual (±2 steps))	Rated Capacity	1800 mAh, 6.93 Wh
Display	Display magnification (4×, 16×), Grid Guide (3×3 Grid, 4×4 Grid), Histogram, Highlight Alert, Electronic Level	Dimensions	40.9 mm (W) × 35.4 mm (H) × 10.75 mm (D) (1.6 in. (W) × 1.4 in. (H) × 0.4 in. (D))
Language	English, French, Germany, Spanish, Portuguese, Italy, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese, Japanese *The languages available for selection vary depending on the country in which you purchased the camera.	Weight	Approx. 33 g (1.2 oz)
		Battery Life	Number of recordable images: Approx. 250 images, * With a fully-charged Rechargeable Lithium-ion Battery under the temperature at 23°C. Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition. Playback time: Approx. 240 minutes * The playback time is a guide based on RICOH's measurement method. The actual number differs according to usage conditions.
		AC Adapter	AC adapter (D-AC166 optional) AC adapter compatible with USB Power Delivery *The camera is compatible with USB Power Delivery, but is not certified with the USB Implementers Forum logo.
Wireless LAN Communication		Dimensions and Weight	
Function	Camera control via smartphone or tablet 'GR World' app for image organisation and control of camera functions (including Live View, exposure time, etc.), image transfer via Wi-Fi	Dimensions	Approx. 109.4 mm (W) × 61.1 mm (H) × 32.7 mm (D) (4.3 in. (W) × 2.4 in. (H) × 1.3 in. (D)) (excluding operating controls and protrusions)
Standards	2.4 GHz: IEEE802.11 b/g/n/ax 5.2 GHz: IEEE802.11 a/n/ac/ax (not available in some regions) 5.8 GHz: IEEE802.11 a/n/ac/ax (not available in some regions)	Weight	Approx. 262 g (9.2 oz) (including the dedicated battery and SD memory card) Approx. 228 g (8 oz) (body only)
Operating Frequency Band Range	2.4 GHz: 2400 to 2483.5 MHz 5.2 GHz: 5150 to 5250 MHz (not available in some regions) 5.8 GHz: 5725 to 5850 MHz (not available in some regions)	Difference to GR IV - Basic version	
Bandwidth	2.4 GHz: 20 MHz 5.2 GHz: 20/40/80 MHz 5.8 GHz: 20/40/80 MHz	- The power button illumination has also been changed to white - Red filter instead of ND filter. Default setting for the Fn (function) button is set to the Red Filter on/off function.	
Security	Authentication: WPA2™, WPA3™ Encryption: AES		
Bluetooth® Communication		Operating Environment	
Standards	Bluetooth® v5.3 (Bluetooth Low Energy)	Windows®	Windows® 11, Windows® 10
Operating Frequency Band Range	2400 to 2483.5 MHz	Mac	macOS 14 Sonoma, macOS 13 Ventura, macOS 12 Monterey, macOS 11 Big Sur
Interfaces			
USB Type-C	Battery recharge/Power supply (when using an optional AC adapter compatible with USB Power Delivery), Data transfer (MTP), Video output (DisplayPort™ over USB-C (DisplayPort Alternative Mode)) *If the camera is turned on while charging, the charging stops	Dedicated App	
Lens Adapter Pin	Available	GR WORLD	"GR WORLD" supports iOS and Android™, and can be downloaded from the App Store or Google Play™. To download GR WORLD and for more information, refer to the following website: https://www.ricoh-imaging.com/gr-world/download/