



A GR capable of capturing both hard and soft light within the photographs

Built-in Highlight Diffusion Filter (HDF)

The GR IIIx HDF provide the photographer with a built-in highlight diffusion filter, giving the option to choose either high resolution, high contrast images for accuracy and precision; or softer, more expressive images to create a sense of depth and emotion. The GR can switch extremely quickly both these two modes, which enables a wide range of creativity, further enhancing the series for snap shooting.

Newly developed 26.1mm GR lens

Due to high demand, the GR IIIx is offered with a 26.1mm F2.8 lens (equivalent to 40 mm in 35 mm format) and offers:

- The focal length of 40 mm corresponds to the angle of view of the human eye
- Natural shooting perspective
- More creative possibilities with the bokeh
- The new lens construction results in improved image quality, which is especially noticeable in the peripheral area
- Wide focal length range through adapters and crop functions between 40 and 105 mm

APS-C sensor unit with Sensor Shift Shake Reduction

- 24.24 MP CMOS sensor
- AA filter-free design for best possible sharpness and detail resolution
- 3-axis Shake Reduction, for 4 stops of exposure reliability
- Reduced risk of camera shake due to shock, vibration or movement
- Sensor dust cleaning function

New functions

With the GR III x there are numerous new additional functions, such as depth of field priority, Eye / Face Detection, new shooting formats (4:3, 16:9), image rotation in 0.1° increments steps, automatic file size reduction for WiFi transmission, advanced RAW development functions for RAW files

Image-Control function

- 10 different settings for film simulation; now with monotone
- Individual settings of the image look can be stored in the image control

High resolution touch screen monitor

- High-resolution 3.0-inch LCD monitor with approx. 1,037,000 pixels
- Intuitive camera control through operation on the touch-sensitive camera monitor
- Air gapless design reduces reflections and allows working on the monitor even in direct sunlight
- Colour and brightness of the image on the monitor can be adjusted individually
- Specially hardened glass surface protects against scratches and damage

Mobile communication via Bluetooth® and W-LAN

- Wireless connection to mobile devices such as smartphones or tablets
- Newly developed image sync application, now with image size reduction
- Fast and direct upload to social networks
- Bluetooth® connection enables camera control via mobile phone
- Images can be tagged with GPS data

	ART. CODE	EAN
RICOH GR IIIx HDF	1297	0027075311220

Kit Accessories

RECHARGEABLE BATTERY DB-110	37838	0027075300378
USB CABLE I-USB166	37822	0027075300330
HAND STRAP		
RING CAP GN-2 (BLACK)	30491	0027075304055
HOTSHOE COVER	37818	0027075300316

Optional Accessories

BATTERY CHARGER BJ-11	37861	0027075300385
RICOH EXTERNAL VIEW FINDER GV-3	37828	0027075303973
LENS ADAPTER GA-2	37826	0027075303935
TELECONVERSIONLENS GT-2	37827	0027075303966
SOFT CASE GC-11	30485	0027075303997
SOFT CASE GC-12	30486	0027075304000
RICOH STRAP ST-2	174790	
RICOH STRAP GS-3	175810	0026649758102
RICOH STRAP GS-2	173381	
METAL HOTSHOE COVER GK-1	30252	0027075300569
RING CAP GN-2 (BLACK)	30491	0027075304055
RING CAP GN-2 (DARK GREY)	30492	0027075304062
RING CAP GN-2 (BRONZE)	30494	0027075304086
AC ADAPTER KIT K-AC166E	38371	0027075301030
RICOH CABLE SWITCH CA-3	30004	0027075295650



EXT. VIEW FINDER GV-3



LENS ADAPTER GA-2



TELECONVERSIONLENS GT-2



RING CAP GN-2



BATTERY CHARGER BJ-11



METAL HOTSHOE COVER GK-1



SOFT CASE GC-11



SOFT CASE GC-12

RICOH GR IIIx HDF

MODEL DESCRIPTION

TYPE Compact camera with fixed focal length

IMAGE CAPTURE UNIT

TYPE Primary color filter CMOS. Size: 23.5mm x 15.6mm
EFFECTIVE PIXELS Approx. 24.24 mega pixels
TOTAL PIXELS Approx. 24.79 mega pixels
SENSITIVITY ISO100~102400: Auto, Manual:
 (ISO Auto Lower/Upper Limit and Minimum Shutter Speed can be set)
IMAGE STABILIZATION Sensor-shift shake reduction (SR) (3-axis: Pitch, Yaw, Roll)
SHAKE REDUCTION STEPS 4 EV steps
AA FILTER SIMULATOR Moiré reduction using SR unit (Off, Low, High)
DUST REMOVAL Image sensor cleaning using ultrasonic vibrations "DR II"
WHITE BALANCE Auto White Balance, Multi Auto White Balance, Daylight, Shade, Cloudy, FL - Daylight Color, FL - Daylight White, FL - Cool White, FL - Warm White, Tungsten, CTE, Manual White Balance, Color Temperature
 Fine Adjustment: Adjustable ± 14 steps on A-B axis or G-M axis
 Highlight Correction, Shadow Correction
 Slow Shutter Speed Noise Reduction, High-ISO Noise Reduction

FILE FORMATS

STILL File Format: RAW (DNG) 14bit, JPEG (Exif 2.3), DCF2.0 compliant
 Color Space: sRGB, AdobeRGB
RECORDED PIXELS [3:2]L(24M:6000x4000), M(15M:4800x3200), S(7M:3360x2240), XS(2M:1920x1280)
 [1:1]L(16M:4000x4000), M(10M:3200x3200), S(5M:2240x2240), XS(1.6M:1280x1280)
MOVIE File Format: MPEG4 AVC/H.264 (MOV)
RECORDED PIXELS Full HD (1920x1080, 60p/30p/24p), Sound: Built-in stereo microphone
RECORDING TIME Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high
STORAGE MEDIA SD/SDHC/SDXC Memory Card (Conforms to UHS-I standards)
BUILT-IN MEMORY Approx. 2GB

LENS

FOCAL LENGTH 26.1mm
35MM FORMAT EQUIVALENT Approx. 40mm
DIGITAL CROP Crop1: 50mm (15MP), Crop2: 107mm (with adapter)(7.5MP)
APERTURE F2.8~F16
CONSTRUCTION 7 elements in 5 groups (2 aspherical lens elements)
MACRO RATIO 0.25x

AUTO FOCUS SYSTEM

TYPE Hybrid AF (Image plane phase-matching and Contrast detection)
FOCUS MODE Auto-area AF, Zone AF, Select AF, Pinpoint AF, Tracking AF, Continuous AF, MF, Snapshot to pre-selected areas (1m, 1.5m, 2m, 2.5m, 5m), ∞
FOCUS RANGE Normal: Approx. 0.1m~ ∞ , Macro Mode: Approx. 0.06m~0.12m
FACE DETECTION ON, Use only in Auto-area, OFF
AF ASSIST LAMP Available: Built-in LED AF assist light

LCD MONITOR

TYPE 3.0 inch TFT color LCD (aspect ratio 3:2), Approx. 1037K dots, Wide viewing angle, Air-gapless tempered glass
TOUCH SCREEN Capacitive sensing method
ADJUSTMENTS Brightness, Saturation, Blue/Amber, Green/Magenta, Outdoor View Setting: ± 2 Steps
MAGNIFICATION Display magnification (4x, 16x), Grid display (4x4 Grid, 3x3 Grid), Histogram, Bright area warning, Electronic Level

EXPOSURE CONTROL

METERING RANGE 0~22EV (ND-AUTO)
STARTUP TIME 0.8s
RELEASE TIME lag 30ms
EXPOSURE MODE Program AE, Aperture Priority AE, Shutter Priority AE, Manual Exposure
METERING SYSTEM Multi-segment, Center-weighted, Spot, Highlight-weighted, programme line for depth of field priority and maximum aperture priority
SHUTTER SPEED 1/4000 sec. - 30 sec. (Limit by aperture setting F2.8: 1/2500 - 1/4000 sec.), Timed Exposure (10sec. - 20min.), Bulb, Time
SHUTTER TYPE Lens Shutter
EV COMPENSATION Still Image: ± 5 EV, 1/3EV steps, Movie: ± 2 EV, 1/3EV steps
HDF (HIGHLIGHT DIFFUSION FILTER) ON, OFF

SHOOTING FUNCTIONS

DRIVE MODES Single Frame Shooting, Continuous Shooting, Bracketing, Multi-exposure, Interval Shooting, Interval Composite
SELF TIMER 10 sec., 2 sec., OFF
MULTI-EXPOSURE Composite mode: Additive/Average/Bright, Save interim images: OFF/Unblended/Blended/Unblended+Blended
SHOOTING MODES Interval Shooting: Interval: Min, 1sec. - 60min., Number of shots: ∞ , 2-99 times, Start Interval: Now/ Set Time
 Interval Composite: Shooting period: ∞ , 10min. - 24hour, Start Interval: Now/Set Time, Save Interim images: OFF/Unblended/Blended
HORIZON CORRECTION SR On: correction up to 1 degrees, SR Off: correction up to 1.5 degrees

FLASH

BUILT-IN FLASH not available
HOT SHOE Compatible with P-TTL Auto Flash of actual PENTAX FLASH Lineup
FLASH SYNC SHUTTER SPEED All shutter speeds
FLASH MODE Flash On, Flash On+Red-eye, Slow-speed Sync, Slow, Sync+Red-eye Flash
 Exposure Compensation: -2.0 ~+1.0

CAPTURE SETTING

IMAGE CONTROL Standard, Vivid, Monotone, Soft Monotone, Hard Monotone, Hi-Contrast B&W, Positive Film, Bleach Bypass, Retro, HDR Tone, Custom1, Custom2
ADJUST PARAMETERS Saturation, Hue, High/Low Key Adjustment, Contrast, Contrast (Highlight), Contrast (Shadow), Sharpness, Shading, Clarity, Toning, Filter Effect, HDR Tone Level (Adjust parameter varies depending on the selected image setting)

MOVIE

FILE FORMAT MPEG4 AVC/H.264 (MOV)
RECORDED PIXELS Full HD (1920x1080, 60p/30p/24p)
RECORDING TIME Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high
SOUND Built-in stereo microphone
EV COMPENSATION ± 2 EV, 1/3EV steps
WHITE BALANCE FOR MOVIE Auto White Balance, Daylight, Shade, Cloudy, FL - Daylight Color, FL - Daylight White, FL - Cool White, FL - Warm White, Tungsten, CTE, Manual White Balance, Color Temperature
IMAGE CONTROL FOR MOVIE Standard, Vivid, Monotone, Hard Monotone, Hi-Contrast B&W, Positive Film, Bleach Bypass, Retro, HDR Tone, Custom1, Custom2

PLAYBACK

PLAYBACK FUNCTIONS Playback View: Single frame, Multi-image (20, 48 frames), Display magnification (up to 16x, 100% view and Quick Zoom view available), Histogram (Y histogram, RGB histogram), Grid display (3x3 Grid, 4x4 Grid), Bright area warning, Auto Image Rotation, Base Parameter Adjustment: Brightness, Saturation, Hue, Contrast, Sharpness
PARAMETER ADJUSTMENT RAW Development: Aspect Ratio, JPEG Recorded Pixels, Color Space, White Balance, Image Control, Peripheral Illumination Correction, Sensitivity, High-ISO Noise Reduction, Shadow Correction
RAW DEVELOPMENT Edit: Resize, Cropping, Levels Adjustment, White Balance Adjustment, Color Moiré Correction, Movie Edit (Cut), Movie Edit (Divide)
EDIT Brightness, Saturation, Hue, Contrast, Sharpness
 Aspect Ratio, JPEG Recorded Pixels, Color Space, White Balance, Image Control, Peripheral Illumination Correction, Sensitivity, High-ISO Noise Reduction, Shadow Correction
 Resize, Cropping, Levels Adjustment, White Balance Adjustment, Color Moiré Correction, Movie Edit (Cut), Movie Edit (Divide)

CUSTOMIZATION

USER MODE Save setting (Max 3 settings can be saved), Rename setting, Recall setting, Delete setting
FOLDER NAME Date (100_1018,101_1019...) or User assigned folder name (Default "RICOH")
FILE NAME "R0*****" or User assigned file name File name numbering: Sequential, Reset
CUSTOMIZE CONTROLS M Mode Dial Setting, ADJ Mode Setting, Fn Button Setting, Shutter Release Button Setting, 4-way Controller Action, Shutter Release Button Confirmation, LCD Touch Operation, Touch AF
CUSTOMIZE DISPLAY Shooting Information Display Setting, Playback Information Display Setting, Instant Review, Zoom Review, Focus Magnification, Grid Guide type, Electronic Level type, Flicker Reduction
LANGUAGES English, French, Germany, Spanish, Portuguese, Italy, Dutch, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese, Japanese
NEW ACCESSORY External viewfinder for 40mm (KB equivalent)
 75mm conversion lens GT-2 (requires lens adapter GA-2)

MOBILE COMMUNICATION

WIRELESS LAN FUNCTION For easy pairing with mobile devices such as smartphones and tablet computers. By installing the dedicated Image Sync application on a mobile device, the user can display a Live-View image on the device's monitor, release the shutter and send various commands from the device. The wireless LAN connection also makes it easy to upload captured images onto SNS sites.
STANDARDS IEEE 802.11b/g/n (HT20) (Wireless LAN standard protocol)
FREQUENCY (Center Frequency) 2412MHz~2462MHz (1ch~11ch)
SECURITY Authentication: WPA2, Encryption: AES

BLUETOOTH®

FUNCTION Camera can be activated and establish wireless LAN connection even though it is in the Sleep Mode. By connecting with the Image Sync app the location data obtained by the smartphone can be recorded onto captured images.
STANDARDS Bluetooth® v4.2 BLE(Bluetooth Low Energy)
FREQUENCY (Center Frequency) 2402MHz~2480MHz (CH0~CH39)

POWER SUPPLY

POWER SOURCE Rechargeable Battery DB-110
AC ADAPTER AC Adapter Kit K-AC166(Optional)
BATTERY LIFE Number of recordable images: Approx. 200 images, Tested in compliance with CIPA standard. Actual results may vary depending on the shooting condition.
 Playback time: Approx. 180 minutes
 * The playback time is a guide based on RICOH's measurement method
BATTERY CHARGING With USB-C Adapter cable camera interanal

INTERFACES

USB TYPE-C™ Battery Recharge/Power Supply (Optional AC Adapter required), Data Transfer: MTP, Video output: DisplayPort over USB-C (DisplayPort Alternative Mode)

OPERATING ENVIRONMENT

TEMPERATURE 0°C ~ 40°C
HUMIDITY 85% or less (no condensation)

DIMENSIONS & WEIGHT

DIMENSIONS Approx.. 109.4(W)×61.9(H)×35.2(D)mm (excluding protrusions)
WEIGHT Approx. 262g (Included dedicated battery and SD memory card), Approx. 232g (Body only)

SYSTEM REQUIREMENTS

PC Windows® 7, Windows® 8.1, Windows® 10
MAC Mac OS X 10.8, 10.9, 10.10, 10.11, 10.12, 10.13