



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

	ART. CODE	EAN
RICOH GR III HDF	1294	0027075311190

### Built-in Highlight Diffusion Filter (HDF)

The GR III 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.

### APS-C Sensor Unit with Sensor Shift Shake Reduction

- 24.24 MP - CMOS-Sensor
- AA-Filter free design to enhance image resolving power
- Three-axis, shake reduction, Compensation up to four shutter steps
- Effectively compensation of camera shake caused by pitch, yaw and roll
- Sensor cleaning function

### High-resolution GR LENS

- GR LENS 18.3 F2.8 equiv. to 28 mm in 35 mm format
- high-refraction, low-dispersion glass element and a glass-molded element allows it to deliver the clearest, sharpest images in GR-series history
- Macro Shooting mode at a minimum focusing distance of six centimeters

### Hybrid AF system

- Combining a contrast-type AF mechanism superior in focusing precision with a phase-detection-type AF mechanism assuring high-speed focusing operation

### High-definition LCD monitor

- 3.0-inch high-definition LCD monitor with approximately 1,037,000 dots
- touch-screen operation provides intuitive control of various camera functions, such as AF frame shift, menu selection, and image magnification and advance during playback
- Air gapless construction effectively reduce the reflection and dispersion of light for improving visibility during outdoor shooting
- Outdoor View Setting allows instant adjustment of the monitor's brightness
- Protective cover made of reinforced glass

### Image Control function

- Using 10 basic Image Control modes
- A set of adjusted parameters can be added as a custom setting to the Image Control function

### Bluetooth® and wireless LAN dual communication

- For easy pairing with mobile devices such as smartphones and tablet computers
- Newly developed Image Sync application
- Upload captured images onto SNS sites
- The camera also provides seamless Bluetooth® connection to facilitate camera operation
- Location data obtained by the smartphone can be recorded onto captured images

### Kit Accessories

RECHARGEABLE BATTERY DB-110	37838	0027075300378
USB CABLE I-USB166	37822	0027075300330
HAND STRAP		
RING CAP GN-1 (BLACK)	37819	0027075300323
HOTSHOE COVER	37818	0027075300316

### Optional Accessories

BATTERY CHARGER BJ-11	37861	0027075300385
RICOH EXTERNAL VIEW FINDER GV-1	172780	0026649727801
RICOH EXTERNAL VIEW FINDER GV-2	175090	
LENS ADAPTER GA-1	37817	0027075300309
WIDECONVERSION LENS GW-4	30248	0027075300156
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-1 (BLACK)	37819	0027075300323
RING CAP GN-1 (DARK GREY)	37823	0027075300620
AC ADAPTER KIT K-AC166E	38371	0027075301030
RICOH CABLE SWITCH CA-3	30004	0027075295650



EXT. VIEW FINDER GV-1



CONVERSION LENS GW-4



LENS ADAPTER GA-1



RING CAP GN-1



BATTERY CHARGER BJ-11



METALHOTSHOECOVERGK-1



SOFT CASE GC-11



SOFT CASE GC-12

# RICOH GR III 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** 18.3mm  
**35MM FORMAT EQUIVALENT** Approx. 28mm  
**DIGITAL CROP** 35 mm, 50 mm  
**APERTURE** F2.8~F16  
**CONSTRUCTION** 6 elements in 4 groups (2 aspherical lens elements)  
**MACRO RATIO** 0.35x

## 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, Snap, ∞  
**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  
**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: ±5EV, 1/3EV steps, Movie: ±2EV, 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  
**CONTINUOUS SHOOTING** 4fps  
**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

## 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** ±2EV, 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  
**RAW DEVELOPMENT** RAW Development: Aspect Ratio, JPEG Recorded Pixels, Color Space, White Balance, Image Control, Peripheral Illumination Correction, Sensitivity, High-ISO Noise Reduction, Shadow Correction  
**PARAMETER ADJUSTMENT** Edit: Resize, Cropping, Levels Adjustment, White Balance Adjustment, Color Moiré Correction, Movie Edit (Cut), Movie Edit (Divide)  
**RAW DEVELOPMENT** Brightness, Saturation, Hue, Contrast, Sharpness  
**RAW DEVELOPMENT** Aspect Ratio, JPEG Recorded Pixels, Color Space, White Balance, Image Control, Peripheral Illumination Correction, Sensitivity, High-ISO Noise Reduction, Shadow Correction  
**EDIT** 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

## 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 internal

## 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)×33.2(D)mm (excluding protrusions)  
**WEIGHT** Approx. 257g (Included dedicated battery and SD memory card), Approx. 227g (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