



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

	ART. CODE	EAN
RICOH GR III HDF	1271	0027075306196

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
POWER ADAPTER		
POWER PLUG		
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



METAL HOTSHOE COVER GK-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)
 4 EV steps
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
 10 sec., 2 sec., OFF
 4fps
 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
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
EDIT Edit: Resize, Cropping, Levels Adjustment, White Balance Adjustment, Color Moiré Correction, Movie Edit (Cut), Movie Edit (Divide)
 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

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.
 IEEE 802.11b/g/n (HT20) (Wireless LAN standard protocol)
 (Center Frequency) 2412MHz~2462MHz (1ch~11ch)
 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.
 Bluetooth® v4.2 BLE (Bluetooth Low Energy)
 (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