



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

	ART. CODE	EAN
RICOH GR IIIx HDF	1297	0027075311220

### 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

### 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)  
 Sensor-shift shake reduction (SR) (3-axis: Pitch, Yaw, Roll)  
 4 EV steps  
 Moiré reduction using SR unit (Off, Low, High)  
 Image sensor cleaning using ultrasonic vibrations "DR II"  
 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  
 [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)  
 Full HD (1920x1080, 60p/30p/24p), Sound: Built-in stereo microphone  
 Up to 25 minutes or 4GB; automatically stops recording if the internal temperature of the camera becomes high  
 STORAGE MEDIA  
 BUILT-IN MEMORY SD/SDHC/SDXC Memory Card (Conforms to UHS-I standards)  
 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.), Time 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  
 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  
 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 ±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: 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)  
 PARAMETER ADJUSTMENT 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  
 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.  
 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  
 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