RICOH
imagine. change.

WG-50

Colour	Art. Code	EAN
RICOH WG-50 BLACK	04572	0027075299283
RICOH WG-50 ORANGE	04582	0027075299337

WATERPROOF up to 14m   **SHOCKPROOF** 1.6m   **COLDPROOF** -10°C   **CRUSHPROOF** 100 Kg   **DUSTPROOF**   **MEGA PIXELS 16**   **5x ZOOM**   **WIDE ANGLE**

FULL HD VIDEO   **HDMI OUTPUT**   **LCD 2.7"**   **ISO 6 400**   **Wi-Fi**   **6 LED MACRO LIGHT**   **MACRO 1cm**

ADVANTAGES

The complete Outdoor camera
√ Tough construction for shooting in demanding outdoor conditions
√ Reliable waterproof construction to assure worry-free shooting at a depth of 14m
√ Exceptional shockproof capability; it can withstand a fall from a height of 1.6m
√ Crushproof to a pressure up to 100kg
√ Coldproof down to –10°C.
√ Full range of mount accessories

High Quality Photo & Video
√ 16 MP Back-illuminated CMOS sensor and New Imaging Engine, which assure detailed pictures, excellent high-sensitivity with low-noise characteristics and high-speed readout of image data signals.
√ Full-HD video-recording (H.264) for high-quality movie clips (1920 x 1080 pixels)
√ High speed video for clips with slow motion effect
√ Built-in video editing
√ Micro-HDMI terminal to view your clips directly on your HD TV

Versatile zoom lens
√ 5X wide-angle optical zoom equivalent to 28-140mm in 35mm to accommodate a wide range of subjects and scenes from landscapes to fast-action sports events
√ Macro shooting down to just 1cm from the subject to get spectacular images of flowers and insects
√ Six Macro Leds to assist close-up shooting and Self-Portrait shooting
√ 16 scene modes not to miss any scene
√ 13 creative filters for original pictures

SUPPLIED ACCESSORIES

RECHARGEABLE LI-ION BATTERY D-LI92 (B) - 39800
POWER ADAPTER LI-ION D-PA164E - 30218
PENTAX STRAP O-ST104 - 39857
PENTAX CARABINA STRAP O-ST157 - 37054
PENTAX USB CABLE I-USB170 - 37053
PENTAX MACRO STAND O-MS1 - 39004

OPTIONAL ACCESSORIES

WG HOLDER
O-CH1470 - 37033

FLAT ADHESIVE
MOUNT O-CM1471 - 37030

HANDLE BAR MOUNT
O-CM1472 - 37031

LARGE ADHESIVE
MOUNT O-CM1532 - 37041

MAGNET MOUNT
O-CM1535 - 37044

WRIST STRAP MOUNT
O-CM1533 - 37042

SUCTION MOUNT
O-CM1473 - 37032

HELMET STRAP MOUNT
O-CM1536 - 37045

PEG MOUNT
O-CM1534 - 37043

ANGLE ADAPTER
O-MA1532 - 37047

CARABINER
- 38067

REMOTE CONTROL
O-RC1 - 39892

WG REPAIR PARTS 1
O-CM1474 - 37034

WG REPAIR PARTS 2
O-CM1475 - 37035

WG REPAIR PARTS 3
O-CM1476 - 37036

FLOATING STRAP
- 50195

BLACK NEOPRENE CASE
50242

CHEST HARNESS
50284

BATTERY CHARGER KIT K-BC92E - 39804
BATTERY CHARGER KIT K-BC92H - 39808

Dimensions : Approx. 122.5 (W) x 61.5 (H) x 29.5 (D)mm (including lens depth)

Weight : 173g body only

WG-50

TECHNICAL SPECIFICATIONS

CAMERATYPE

Type	Compact Camera for movie and photo

SENSOR

Sensor size	1/2.3'' CMOS
Number of Effective pixels	Approx. 16 megapixels
Total pixels	Approx. 16.79 megapixels
Sensitivity (Standard Output Sensitivity)	AUTO, manuell (ISO 125 - 6400)
Quality level	★★★ Excellent, ★★ very good, ★ good
Motion Blur Reduction	Still: Pixel Track SR Hi-sensitivity anti-shake mode (Digital SR) Movie: Movie shake reduction mode (Movie SR)
White Balance	Auto, Daylight, Shade, Tungsten light, Fluorescent light (D:Daylight Color, N:Daylight White, W:White Light), Manual
Dynamic range	Shadow/Highlight adjustment

FILE FORMATS

File formats	JPEG (conforms to Exif 2.3), conforms to DCF2, PRINT Image Matching III
Number of Recorded pixels	(4:3) 8M: 3264x2448, 5M: 2592x1944, (16:9) 6M: 3264x1840, 4M: 2592x1464, (1:1) 6M 2448x2448
Number of Individual recorded pixels	Still: 16M (4608 x 3456), 12M (1:1) (3456 x 3456), 12M (16:9) (4608 x 2592), 7M (3072 x 2304), 5M (16:9) (3072 x 1728), 5M (2592 x 1944), 4M (16:9) (2592 x 1464), 3M (2048 x 1536), 2M (16:9) (1920 x 1080), 1024 (1024 x 768), 640 (640 x 480)
	* In Digital Microscope mode, recorded pixels is fixed to 2M (1920x1080). * In continuous shooting mode(High), recorded pixels is fixed to 5M (1600x1200) or 4M (2592x1464) per frame. * In Report mode, recorded pixels is fixed to 1280x960. * In Original Frame mode, recorded pixels is fixed to either 5M (2592x1944) or 4M (2592 x 1464).
Storage Media	SD/SDHC/SDXC Memory Card, Eye-Fi Card
Built-in memory	Approx. 68MB

LENS

Focal Length	5-25mm (in 35mm format equivalent approx. 28-140mm)
Maximum Aperture	F/3.5 (W) - F/5.5 (T)
Construction	RICOH lens, 11 elements in 9 groups (5 aspherical elements)
Optical Zoom	5X
Digital Zoom	Approx. 7.2X
Intelligent Zoom	approx. 7.5X at 7M, approx. 36X at 640 (including optical zoom)

LCD DISPLAY

Type	2.7 inch LCD, AR Coating (Cover only)
Resolution	Approx. 230K dots

AUO FOCUS SYSTEM

Type	TTL contrast detection auto focus system, 9-point AF, Spot AF, Auto tracking AF
Mode	Infinity-landscape, Pan Focus, Manual Focus: available
Focus Range	Standard: 0.5m - infinity / 1.64ft. - infinity (entire zoom range) Macro:0.1 - 0.6m / 0.33 - 1.97ft. (entire zoom range) 1cm Macro:0.01 - 0.3m / 0.03 - 0.98ft. (middle zoom position)
Face detection	Face Detection AF&AE is available for all modes up to 32 faces. Smile Capture, Self-portrait Assist, Self-portrait Assist + Smile Capture, Blink Detection
Pet detection	Detect up to 1 pet's face (Dog or Cat)
Maximum Magnification	Approx. 0.4X (1cm Macro)
AF assist lamp	Available
Macro light	Available, 6 LEDs to assist with close-ups

EXPOSURE CONTROL

Metering System	Multi-segment metering, Center-weighted metering, Spot metering
Shutter Speed	1/4000 - 1/4 sec. (Mechanical and electronic shutter), 4sec at most. (Night Scene mode setting)
EV Compensation	+/- 2EV (1/3 EV steps)

BUILT-IN FLASH

Flash mode	Flash-on and Flash-off modes. «Red-eye» compensation function employs a pre-discharge.
Flash range	Wide:approx.0.2 - 5.5m / 0.66 - 13 ft. (ISO Auto) Tele:approx. 0.2 - 3.5m / 0.66 - 8.2 ft. (ISO Auto)

SHOOTING FEATURES

Drive modes	One shot, Self-timer, Continuous Shooting, Burst Shooting, Remote Control, Auto Bracketing
Continuous shooting	Approx. 1.08 frame/sec
High Speed Movie	Approx. 12 frame/sec, 5M (4:3) up to 30 frames (approx. 14fps), 5M (16:9) up to 30 frames
Scene modes	Auto Picture, Program, HDR, Handheld Night Snap, Movie, High Speed Movie, Digital Microscope, Landscape, Flower, Portrait, Underwater, Underwater Movie, Interval Shot, Interval Movie, Surf & Snow, Kids, Pet, Sport, Night Scene, Night Scene Portrait, Fireworks, Food, Digital SR, Report, Green
Auto picture Scene modes	Landscape, Portrait, Night Scene, Night Scene Portrait, Standard, Flower, Sport, Candlelight, Blue Sky, Sunset, Text, Group Photo, Pet, Portrait x Blue Sky, Portrait x Sunset, Portrait x Backlight
Shooting modes	Still, Underwater Still Image, Burst shooting, Movie, Underwater Movie, Time-Lapse Movie, Extended Movie Recording, High Speed Movie
Noise reduction	Automatically applied when the shutter speed is slower than 0.25 sec

MOVIE

File format	MPEG-4 AVC / H.264 (MOV)
Number of Recorded pixels	Full-HD (1920x1080: 30fps). HD (1280x720: 120fps/60fps/30fps)
Audio	Movie/Underwater Movie:32KHz, 16bit, monaural High Speed Movie:8KHz, 16bit, monaural
Shake Reduction	Movie Shake Reduction (software-based)
Movie edit functions	Save as still image, Divide Movies, Adding title picture

SPECIAL

World time	Supported Clock display on the display when the camera is not in operation.
Date imprint	*Date Imprint Available (Date, Time, Date & time) (except Green)
Image Tone	Bright, Natural, lively, Diafilm and Black-and-white
Languages	English, French, Germany, Spanish, Portuguese, Italy, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese
Playback modes	Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Collage, Digital Filter(B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature), HDR Filter, Original Frame, Movie Edit, Red-eye Edit, Resize, Cropping, Image Copy, Protect, Start-up Screen
Playback functions	One Shot, Index (6 thumb nails, 12 thumb nails), Enlargement (up to 10X, scroll available), Movie Playback, Sound Playback, Histogram, Folder display, Select&Delete, Calendar
Digital Fiter	B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature Filter
Remote Control	Receiver to camera front and back
Start-up Time	Approx. 1.5 sec
Release Time Lug	Approx. 0.008 sec
Water proof/ Dustproof	Waterproof up to 14m (Equivalent to IPX8 / JIS Class 8 waterproof) Dustproof IP6X / JIS Class 6 dustproof capabilities

POWER SUPPLY

Power Source	Rechargeable D-LI92 lithium-ion battery
Battery life	Still*: approx. 300 shots (Rechargeable Lithium-ion battery) Playback**: approx. 260 min. (Rechargeable Lithium-ion battery) Movie: approx. 90 min. **

* Recording capacity shows approximate number of shots recorded during CIPA-compliant testing. Actual performance may vary depending on operating conditions.

** According to the result of RICOH IMAGING in-house testing.

INTERFACES

Interfaces	USB2.0 (Micro B), HDMI output terminal (Type D)
Video output	NTSC/PAL

DIMENSIONS AND WEIGHT

Dimensions	Approx. 122.5 (W) x 61.5 (H) x 29.5 (D)mm /4.8 (W) x 2.4 (H) x 1.2 (D) inches inches (including lens depth)
Weight	Approx. 193g (including battery and microSD memory card) Approx. 173g (excluding battery and microSD memory card)

SYSTEM REQUIREMENTS

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