RICOH
imagine. change.

WG-70



Digital compact cameras for underwater photography down to 14 meters, with improved usability such as the Digital Microscope mode

	ART. CODE	EAN
RICOH WG-70, black	03867	027075301627
RICOH WG-70, orange	03872	027075301658

Exceptional image quality

- Approx. 16 effective megapixels
- 5x optical zoom starting from 28mm
- Combination of high-performance lens & a back-illuminated CMOS sensor, produce a clear image with low-noise and a wide dynamic range

5X optical zoom lens with 28mm wide-angle coverage

- focal-length coverage from 5mm to 25mm (equivalent to 28mm to 140mm in 35mm format)

Advanced underwater shooting mode

- Underwater shooting modes optimize color, contrast, and white balance
- Flash Off + Flash On option, allows the user to consecutively capture two images — one without flash and another with flash

Improved usability of Digital Microscope mode

- Usability is improved as the recording size can be newly selected from 2M (1920 x 1080), to a maximum of 12M (4608 x 2592),

Six Macro Lights to assist close-up shooting, with various functions

- LED Ring Light placed around the lens have been evolved further
- Newly equipped 6 variable light function for any user environment

Full HD movie recording for extended shooting of high-quality movies

- High-quality, extended movie clips (1920 x 1080 pixels, 16:9) at a frame rate of 30 f/sec.

Triple anti-shake protection to prevent blurred images in all applications

- Pixel Track SR mechanism / Digital SR mode / Movie SR mode

Kit Accessories

RECHARGEABLE LI-ION BATTERY D-LI92	39800	027075049116
POWER ADAPTER D-PA164E	30218	027075296565
USB CABLE I-USB170	37053	022705299481
CARABINER STRAP O-ST104	39857	027075183285
MACRO STAND O-MS1	39004	027075188860

Optional Accessories

RECHARGEABLE LI-ION BATTERY D-LI92	39800	027075049116
BATTERY CHARGER KIT K-BC92E	39804	027075049154
BATTERY CHARGER KIT K-BC92H	39808	027075152533
CAMERA CASE O-CC135	38859	027075225848
CAMERA CASE O-CC118	39945	027075207714
PROTECTOR JACKET O-CC1252	39986	027075216303
REMOTE CONTROL O-RC1	39892	027075183513
SPORT STRAP O-ST81	39457	027075118324
WG FLAT ADEHESIVE MOUNT O-CM1471	37030	027075276017
WG HANDLE BAR MOUNT O-CM1472	37031	027075276024
WG SUCTION CUP MOUNT O-CM1473	37032	027075276031
WG HOLDER O-CH1470	37033	027075276048
WG REPAIR PARTS 1 O-CM1474	37034	027075276055
WG REPAIR PARTS 2 O-CM1475	37035	027075276062
WG REPAIR PARTS 3 O-CM1476	37036	027075276079
LARGE ADHESIVE MOUNT O-CM1532	37041	027075287778
WRIST STRAP MOUNT O-CM1533	37042	027075287785
PEG MOUNT O-CM1534	37043	027075287792
MAGNET MOUNT O-CM1535	37044	027075287808
HELMET STRAP MOUNT O-CM1536	37045	027075287815
ANGLE ADAPTER O-MA1532	37047	027075287839



PROTECTOR JACKET O-CC1252



REMOTE CONTROL O-RC1

RICOH WG-70

CAMERA TYPE

TYPE	Water protected Digital compact camera for movie and photo

SENSOR

TYPE	1/2.3" CMOS
PIXELS	Effective: approx. 16 megapixels
SENSITIVITY	STANDARD OUTPUT: AUTO, Manual (ISO 125 - 6400)
MOTION BLUR REDUCTION	Still: Pixel Track SR, hi-sensitivity anti-shake mode (Digital SR) Video: Movie shake reduction mode (Movie SR)
WHITE BALANCE	Auto, Daylight, Shade, Cloudy, Tungsten light, Fluorescent light(D:Daylight Color, N:Daylight White, W:White Light), Ring light, Manual
DYNAMIC RANGE	Shadow/Highlight adjustment
NOISE REDUCTION	Automatically applied when the shutter speed is slower than 0.25 s

FILE FORMATS

STILL	JPEG (conforms to Exif 2.3), conforms to DCF2.0, PRINT Image Matching III
RECORDED PIXELS	STILL: Size: 16M, 12M(1:1), 12M(16:9), 7M, 5M(16:9), 5M, 4M(16:9), 3M, 2M(16:9), 1024, 640 Selection limited by mode
QUALITY LEVEL	STILL: ★★★, ★★, ★,
STORAGE MEDIA	SD/SDHC/SDXC Memory Card
BUILT-IN MEMORY	Approx. 68MB,

LENS

FOCAL LENGTH	5 - 25mm
35MM FORMAT EQUIVALENT	Approx. 28 - 140mm
MAXIMUM APERTURE	F3.5(W) – F5.5(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)
MAXIMUM MAGNIFICATION	Approx. 0.4x (1cm Macro)

AUTO FOCUS SYSTEM

TYPE	9-point AF, Spot AF, Auto tracking AF,
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) Infinity-landscape, Pan Focus, Manual Focus: available
MANUAL FOCUS RANGE	0.01m - infinity (Depends on the zooming steps. 0.01m is only available in 2 - 4 zoom step.)
FACE DETECTION	Face Detection AF&AE is available for all modes up to 30 faces. Smile Capture, Self-portrait Assist, Self-portrait Assist + Smile Capture, Blink Detection
PET DETECTION	Detect up to 1 pet's face(auto)
AF ASSIST LAMP	available

EXPOSURE CONTROL

METERING SYSTEM	Multi-segment metering, Center-weighted metering, Spot metering
SHUTTER SPEED	1/4000 - 1/4sec.(Mechanical and electronic shutter), 4sec at most. (Night Scene mode setting)
EV COMPENSATION	± 2EV (1/3EV steps)
SCENE MODE	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
SELF TIMER	10 sec., 2 sec., OFF

CAPTURE SETTING

IMAGE TONE	Bright, Natural, Vibrant, Slide Film, Monochrome, Cross Processing

DISPLAY

TYPE	2.7" Wide LCD, approx. 230K dots, AR Coating(Cover only)

SHOOTING FEATURES

DRIVE MODES	One shot, Self-timer, Continuous Shooting, Burst Shooting, M Continuous, S Continuous, Remote Control, Auto Bracketing
CONTINUOUS SHOOTING	Approx. 1.08 frame/sec., max 69 # of frames

BUILT-IN FLASH

MODES	Flash-on and Flash-off modes. "Red-eye" compensation function employs a pre-discharge.
FLASH RANGE	Wide:approx. 0.2 - 5.5m / 0.66 - 18 ft. (ISO Auto) Tele:approx. 0.2 - 3.5m / 0.66 - 11 ft. (ISO Auto)
6 LED RING LIGHTS	Single touch Ring light mode, Bright Illumination Able to adjust amount of light by 10 steps Able to select which LED should be lighted by 5 patterns Macro shooting from 1cm

MOVIE

FILE FORMAT	MPEG-4 AVC/H.264
NUMBER OF RECORDED PIXELS	1920 (1920 x 1080) : approx. 30fps, 1280 (1280 x 720) : approx. 60/30fps
AUDIO	【Movie/Underwater Movie】32KHz, 16bit, monaural 【High Speed Movie】8KHz, 16bit, monaural
SHAKE REDUCTION	Movie shake reduction mode (Movie SR)
MOVIE EDIT FUNCTIONS	Save as still image, Divide Movies, Adding title picture

PLAYBACK

PLAYBACK FUNCTIONS	One Shot, Index (6 thumb nails, 12 thumb nails), Enlargement (up to 10X, scroll available), Movie Playback, Histogram, Folder display, Select&Delete, Calendar
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
DIGITAL FILTER	B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature Filter

CUSTOMAZATION

LANGUAGES	English, French, Germany, Spanish, Portuguese, Italy, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese

SPECIAL

WORLD TIME	Supported
DATE IMPRINT	Date Imprint Available (Date, Time, Date & time) (except Green)
START-UP TIME	Approx. 1.5 sec (TBD)
RELEASE TIME LAG	Approx. 0.008 sec.
WATER PROOF	Up to 14m (45ft.) for 2 hours Equivalent to JIS Class 8 waterproof
DUSTPROOF	IP6X / JIS Class 6 dustproof capabilities
SHOCK PROOF	Up to 1.6m (5.2ft.)
OPERATING TEMPERATURE-	–10°(14°F) to 40°(104°F)
WIDE ANGLE CONVERSION LENS	Supported

POWER SUPPLY

POWER SOURCE	Rechargeable lithium-ion battery D-LI92
BATTERY LIFE	Still*: approx. 300 shots (Rechargeable Lithium-ion battery) Playback**: approx. 260 min. (Rechargeable Lithium-ion battery) (TBD) Movie: approx. 90 min. ** (TBD) * 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.
BATTERY CHARGE TIME	Approx. 120 min.

INTERFACES

USB2.0(Micro-B), HDMI output terminal(Type D)

DIMENSIONS & WEIGHT

DIMENSIONS	Approx. 122.5 (W) x 61.5 (H) x 29.5mm (D) /4.8 (W) x 2.4 (H) x 1.2inches (D) (including lens depth)
WEIGHT	Approx. 193g / 6.8 oz. (loaded and ready) Approx. 173g / 6.1oz. (without battery and SD memory card)

SYSTEM REQUIREMENTS

PC	Windows® 7, Windows® 8.1, Windows® 10
MAC	Mac OS X 10.10, 10.11, 10.12, 10.13, 10.14, 10.15

