# RICOH
## imagine. change.

# G900

## The All-weather Extreme Compact - Waterproof, Shockproof, Freezeproof and Crushproof

| | ART. CODE | EAN |
|---|---|---|
| RICOH G900/pearl white | \| 162103 | \| 0026649621031 |

## Business-use Capabilities

In addition to outdoor applications at civil engineering, construction and disaster relief sites, the RICOH G900 can also be used in a wide range of indoor industries, at locations such as high-security workplaces thanks to the password-protected Camera Lock function inherited from its predecessor, and medical and manufacturing facilities requiring thorough cleansing and sterilization of equipment.

- Camera memos: image management made easy
- Putting survey slates to good use with image clips
- Compare images with "Watermark Options"
- Password protection restricts access to a variety of camera functions
- Internal memory with around 6.5 GB of image storage

## Tough Body Design

- 20m Waterproof
- 2.1m Shockproof
- −10℃ Freezeproof
- 100kg Crushproof
- Chemical-resistant body

## Advanced Camera Performance

- Approx. 20 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

## Advanced Camera Performance

- 18 scene modes
- 12 digital filters (can be applied after shooting)
- Digital Microscope mode
- Equipped high accuracy GPS

## Multifunctional LED Ring Light

- LED Ring Light placed around the lens have been evolved further
- Newly equipped 6 variable light function for any user environment
- Improved Operability even with gloves- Renewed exterior design
- Pursued easy operation in harsh conditions.- ADJ button, which often used camera setting can be assigned for instant setting changes

## Remarkably advanced Movie Shooting

- 4K・30fps movie recording
- Electronic gimbal

## Kit Accessories

| | | |
|---|---|---|
| RECHARGEABLE BATTERY DB-110 | 37838 | \| 0027075300378 |
| POWER ADAPTER AC-U2 | | |
| POWER PLUG | | |
| USB CABLE I-USB173 | 30275 | \| 0027075301214 |
| OST-174 | 30280 | \| |
| MACRO STAND O-MS3 | 30276 | \| 0027075301221 |
| BATTERY CHARGER BJ-11 | 37861 | \| 0027075300385 |

## Optional Accessories

| | | |
|---|---|---|
| PROTECTOR JACKET RICOH O-CC174 | 30279 | \| 0026649759475 |
| PENTAX REMOTE CONTROL O-RC1 | 39892 | \| 0027075183513 |
| AC ADAPTER KIT K-AC166E | 38371 | \| 0027075301030 |
| BATTERY CHARGER BJ-11 | 37861 | \| 0027075300385 |
| WIDE CONVERSION LENS DW-5 | 171930 | \| 0026649719332 |
| SOFT CASE RICOH SC-900 | 30277 | \| 0026649759475 |
| RICHARGEABLE BATTERY DB-110 | 37838 | \| 0027075300378 |

Protector Jacket O-CC174          Remote Control O-RC1

Battery Charger BJ-11          Soft Case SC-900

# RICOH G900

**CAMERA TYPE**

| | |
|---|---|
| TYPE | Water protected digital compact camera for business use |

**SENSOR**

| | |
|---|---|
| TYPE | 1/2.3" CMOS |
| PIXELS | Effective: approx. 20 megapixels |
| SENSITIVITY | STANDARD OUTPUT: AUTO, Manual (ISO 125 - 25600) |
| MOTION BLUR REDUCTION | Still: Pixel Track SR, hi-sensitivity anti-shake mode (Digital 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: L(20M), M(10), S(5M), XS(3M), 2M, 1M, VGA, Aspect: 4:3, 3:2, 1:1 Selection limited by mode |
| QUALITY LEVEL | Still: ★★★, ★★, ★, |
| STORAGE MEDIA | SD/SDHC/SDXC Memory Card, FlashAir Card |
| BUILT-IN MEMORY | Approx. 6.5GB |

**LENS**

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|---|---|
| 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. 8.1x |
| INTELLIGENT ZOOM | Approx. 7x at 10M, approx. 40.5x at 640 (including optical zoom) |
| MAXIMUM MAGNIFICATION | Approx. 0.4x (1cm Macro) |

**AUTO FOCUS SYSTEM**

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|---|---|
| TYPE | 9-point AF, Spot AF, Auto tracking AF, TTL contrast detection auto focus system |
| 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) |
| EV COMPENSATION | ± 2EV ( 1/3EV steps) |
| SCENE MODE | Auto Picture, Program, HDR, Movie, High Speed Movie, Digital Microscope, Interval Shot, Interval Movie, Surf & Snow, Digital SR, Report, watermark, Firefighting, Skew Correct, Text, Zoom Macro, Haze removal, Depth of field composition |
| SELF TIMER | 10 sec., 2 sec., OFF |

**CAPTURE SETTING**

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|---|---|
| IMAGE TONE | Bright, Natural, Vibrant, Slide Film, Monochrome |

**DISPLAY**

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|---|---|
| TYPE | 3.0" Wide LCD, approx. 1040K dots, AR Coating(Cover only) |
| ADJUSTMENTS | Brightness, Outdoor View Setting: ±2 Steps |

**SHOOTING FEATURES**

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|---|---|
| DRIVE MODES | One shot, Self-timer, Continuous Shooting, Burst Shooting, M Continuous, S Continuous, Remote Control, Auto Bracketing |
| CONTINUOUS SHOOTING | approx. 3 frame/sec. |
| HIGH SPEED CONTINUOUS SHOOTING | Approx. 10 fps, 5M(4:3): up to 36 frames |

**BUILT-IN FLASH**

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|---|---|
| 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)Recover File, Auto Image Rotation, Skew Correct |
| 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 | 4K (3840 x 2160) : approx. 30xyfps,1920（1920 x 1080）: approx. 30fps, 1280（1280 x 720）: approx. 60/30fps |
| AUDIO | 【Movie/Underwater Movie】32KHz, 16bit, stereo |
| SHAKE REDUCTION | Movie shake reduction mode (Movie SR) |
| MOVIE EDIT FUNCTIONS | Save as still image , Divide Movies , Adding title picture |

**PLAYBACK**

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|---|---|
| PLAYBACK FUNCTIONS | One Shot, Index (20 thumb nails, 81 thumb nails), Enlargement (up to 10X, scroll available), Movie Playback, Histogram, Folder display, Delete, Select & Delete, Delete All, Calendar |
| PLAYBACK MODES | Slideshow, Image Rotation, Small Face Filter, Ink Rubbing Filter, Digital Filter(B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature), HDR Filter, Movie Edit, Red-eye Edit, Resize, Cropping, Image Copy, Protect, Start-up Screen, Recover File, Auto Image Rotation, Skew Correct |
| DIGITAL FILTER | B&W / Sepia, Toy Camera, Retro, Color, Extract Color, Color Emphasis, High Contrast, Starburst, Soft, Fish-eye, Brightness, Miniature Filter |

**CUSTOMAZATION**

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|---|---|
| LANGUAGES | English, French, Germany, Spanish, Portuguese, Italy, Dutch, Japanese, Danish, Swedish, Finnish, Polish, Czech, Hungarian, Turkey, Greek, Russian, Thai, Korean, Simplified Chinese, Traditional Chinese |
| ADJUST PARAMETER | USER Setting (U1/U2) |
| FOLDER NAME | Supported |
| COPYRIGHT INFORMATION | Supported |

**SPECIAL**

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|---|---|
| WORLD TIME | Supported |
| DATE IMPRINT | Date Imprint Available (Date, Time, Date & time) (except Green) |
| START-UP TIME | Approx. 1.0 sec (TBD) |
| RELEASE TIME LAG | Approx. 0.003 sec. |
| WATER PROOF | Up to 20m (65.6ft.) for 2hours Equivalent to JIS Class 8 waterproof |
| DUSTPROOF | IP6X / JIS Class 6 dustproof capabilities |
| SHOCK PROOF | Up to 2.1m (6.8ft.) or 2.0m (6.6ft.) (TBD) |
| OPERATING TEMPERATURE- | -10°C (14°F) to 40°C (104°F) |
| WIDE ANGLE CONVERSION LENS | Supported |
| PROFESSIONAL FEATURES | Camera Memo, Image Modification Check, Barcode Mode, User Password/Admin Password Setting, Electronic Board Support, Image Clip |

**GPS**

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|---|---|
| GPS | GPS, GLONASS, QZS+ SBAS |
| DISPLAY MODE | LAT/LON, UTM, MGRS GPS log, GPS lock, GPS time adjustment, GPS data imprint, UTC data imprint |

**ELECTRONIC COMPASS**

| | |
|---|---|
| COMPASS HEADING | Cardinal, Degrees, Cardinal/Degrees, Declination, Compass data imprint |

**POWER SUPPLY**

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|---|---|
| POWER SOURCE | Rechargeable DB-110 lithium-ion battery |
| BATTERY LIFE | Still*: approx. 340 shots (Rechargeable Lithium-ion battery) Playback**: approx. 260 min. (Rechargeable Lithium-ion battery) (TBD) Movie: approx. 60 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. 180 min. |

**INTERFACES**

| | |
|---|---|
| | USB3.0 (Type-C), HDMI output terminal (Type D) |

**DIMENSIONS & WEIGHT**

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|---|---|
| DIMENSIONS | Approx. 118.2 (W) x 65.5 (H) x 33.1 (D)mm/4.7 (W) x 2.6 (H) x 1.3 (D) inches (including lens depth) |
| WEIGHT | Approx. 247g / 8.7oz. (Included dedicated battery and SD memory card), approx. 219g / 7.7 oz.(Body only) |

**SYSTEM REQUIREMENTS**

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