

Technical Specifications of RICOH G700SE GPS

| Item | Description | |
|---|---|---|
| No. of effective pixels(camera) | Approx. 12.10 million effective pixels | |
| Image Sensor | 1/2.3" CCD (Approx. 12.40 total million pixels) | |
| Lens | Focal Length | 5.0 mm to 25 mm (equivalent to 28 mm to 140 mm on a 35 mm camera) |
| | F-aperture | F3.5 (Wide-angle) to F5.5 (Telephoto) |
| | Shooting Distance | Normal shooting : Approx. 30 cm to ∞ (Wide-angle) or 50 cm to ∞ (Telephoto) (from the front of the lens) Macro shooting: Approx. 1 cm to ∞ (Wide-angle ^{*1}), 15 cm to ∞ (Telephoto) or 1 cm to ∞ (Zoom macro mode) (from the front of the lens) |
| | Lens Construction | 11 elements in 9 groups plus 1 prism |
| | Filter size | 37 mm |
| Zoom Magnification | Optical zoom at 5.0x (focal length equivalent to 28 mm to 140 mm on a 35 mm camera) Digital zoom at 4.0x, up to 20.0x (560 mm equivalent) in combination with optical zoom Auto resize zoom at approx. 6.3x ^{*2} , up to 31.5x (882 mm equivalent) in combination with optical zoom | |
| Focus Modes | Multi AF (CCD method) / Spot AF (CCD method) / MF / Snap / ∞ (with focus lock and AF Auxiliary Light) | |
| Blur Reduction | Digital image stabilizer | |
| Shutter Speed ^{*3} | Still Image | 8, 4, 2, 1 to 1/1500 seconds |
| | Movie | 1/30 to 1/10000 seconds |
| Exposure Control | Exposure Metering Mode | Multi Light Metering (256 segments) / Center-weighted Light Metering / Spot Metering (TTL-CCD metering and AE lock possible) |
| | Exposure Mode | Program AE |
| | Exposure Compensation | Manual exposure compensation (+2.0 to -2.0 EV in 1/3 EV Steps), Auto bracket function (-0.5 EV, ± 0 , +0.5 EV) |
| ISO Sensitivity (Standard Output Sensitivity) | AUTO / ISO64 / ISO100 / ISO200 / ISO400 / ISO800 / ISO1600 / ISO3200 | |
| White Balance Mode | Auto / Outdoors / Cloudy / Incandescent 1 / Incandescent 2 / Fluorescent / Manual / Ring Light, White balance bracket function | |

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| Flash | Flash Mode | Auto flash (fires automatically in low-light conditions and when the subject is backlit) / Anti Red-eye / Flash On / FLASH ON (10M) / Slow Synchro / Flash Off |
| | Built-in Flash Range | Approx. 20 cm to 10.0 m (Wide-angle), approx. 40 cm to 6.2 m (Telephoto) (Flash ON (10M), from the front of the lens) |
| Picture Display | | 3.0" Transmissive amorphous silicon TFT LCD, approx. 920,000 dots |
| Shooting Mode | | Auto shooting mode / Scene mode (High Sens / Firefighting / Skew Correct Mode / Text Mode / Zoom Macro / Movie) / My settings mode / CALS mode |
| Picture Quality Mode ^{*4} | | F (Fine), N (Normal) |
| Number of Recorded Pixels | Still Image | [4:3] 4000 x 3000, 2592 x 1944, 2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480 [3:2] 3984 x 2656 |
| | Movie | 1280 x 720, 640 x 480, 320 x 240 |
| | Text | 4000 x 3000, 2048 x 1536 |
| Recording Media | | SD memory card (3.3V 256MB, 512MB, 1GB, 2GB), SDHC memory card (up to 32 GB), SD WORM card ^{*5} (128MB, 1GB), Internal Memory (approx. 103 MB) |
| Number of Pictures and Time ^{*6} (Internal: approx.103MB) | Still Image | Still image: 4000 x 3000 F: 22 pictures N: 38 pictures, 3984 x 2656 F: 25, 2592 x 1944 F: 45, 2048 x 1536 N: 72, 1600 x 1200 F: 116, 1280 x 960 F: 141 N: 265, 640 x 480 F: 509 |
| | Movie ^{*7} | 1280 x 720 20 seconds, 640 x 480 58 seconds, 320 x 240 2 minutes 22 seconds |
| Recording File Format | Still Image | JPEG (Exif Ver. 2.21) ^{*8} |
| | Text | JPEG (Exif Ver. 2.21) ^{*8} |
| | Movie | AVI (Open DML Motion JPEG Format Compliant) |
| Bar Codes Supported (when read with camera unit itself) | Linear | EAN-13/8 (JAN-13/8), UPC-A/E, UPC/EAN (with add-ons), Interleaved 2 of 5, CODEBAR (NW-7), CODE 39, CODE 93, CODE 128 TYPE C, GS1-128 (EAN-128), and RSS (GS1 DataBar) |
| | Matrix | QR Code, Micro QR Code, DataMatrix(ECC200), PDF417, Micro PDF417, MaxiCode, EAN-UCC Composite(GS1 DataBar Composite) |
| Other Major Shooting Functions | | Continuous mode, Self-timer (operation time: approx. 10 seconds, approx. 2 seconds), Interval shooting (shooting interval: 5 seconds to 3 hours, in increments of 5 seconds) ^{*9} , Histogram display, Grid guide display |
| Other Major Playback Functions | | Thumbnail view, Enlarged view (maximum 16x), Resize, Contrast Correction |
| Interface | | USB2.0 Mini-B, High-Speed USB, AV output, Mass storage-compatible ^{*10} |

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| Power Supply | Rechargeable Battery (DB-65) x1, AAA Alkaline Battery x 2, AAA Nickel-Hydrogen Battery x 2 |
| Battery life ^{*11} | Based on CIPA standard, DB-65 : approx. 360 shots AAA Alkaline : 40 shots ^{*12} |
| Dimensions (W x H x D) | 118.8 mm × 71.0 mm × 41.0 mm, 32.0 mm (D) at thinnest, excluding projections |
| Weight | Approx. 286 g (excluding battery, SD memory card, and strap), Approx. 314 g (including supplied battery and SD memory card) |
| Water Resistance / Dust Resistance / Chemical Resistance | JIS/IEC waterproof grade 8, shooting to a water depth of approx. 5 m ^{*13} JIS/IEC dustproof grade 6 External cleaning possible with ethanol and hypochlorous for disinfectants |
| Operating Temperature | -10°C to 40°C |

*1: The macro shooting wide-angle setting is f=5.9mm at a 33 mm focal length (35 mm equivalent).

*2: Image size is VGA.

*3: The upper and lower limits differ for each shooting mode and flash mode.

*4: The picture quality mode that can be set varies depending on the image size.

*5: SD WORM cards can be purchased from SanDisk Corporation agents that supply corporate customers.

*6: The estimated number of pictures that can be recorded or the estimated recording time.

*7: The maximum movie length that can be recorded at one time is either 90 minutes or 4 GB. When shooting movies of 1280 × 720 size, the use of an SD/SDHC memory card with an SD speed class of Class 6 or higher is recommended.

*8: Compatible with DCF and DPOF. DCF is the abbreviation for "Design rule for Camera File system," a JEITA standard (Full compatibility with other devices is not guaranteed).

*9: When the flash is set to [Flash Off].

*10: Mass storage mode is supported by Windows® 2000, Windows® XP, Windows Vista®, Windows® 7, Mac OS 9.0–9.2.2, and Mac OS X 10.1.2–10.6.3.

*11: The number of remaining shots is based on the CIPA standard and may vary depending on usage conditions. This is for reference only.

*12: When using the AAA Alkaline batteries manufactured by Panasonic.

*13: At a water depth of up to 5 m, a maximum of approximately two hours of shooting is possible. Optimal shooting may not be possible depending on the water environment.

Bluetooth® Communication Part

| Items | Description |
|----------------------|-----------------------------------|
| Communication Method | Bluetooth® standard Ver. 2.1+EDR |
| Output | Bluetooth® standard Power Class 2 |

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| Communication Range ^{*14} | Approximately 10m (line of sight) |
| Supported Bluetooth® Profiles ^{*15} | BIP, OPP, SPP |
| Frequency Band | 2.4 GHz band (2.400 GHz - 2.4835 GHz) |

*14:The communication range may vary depending on obstructions between the two devices, signal strength, software or operating system in use, and other factors.

*15:These are specifications according to the intended use of the Bluetooth®-enabled devices and are predetermined by Bluetooth® standards.

WiFi Communication Part

| Items | Description |
|------------------------------------|---|
| Compliance Standard | IEEE802.11b/g |
| Transmission Method | IEEE802.11g: OFDM IEEE802.11b: DSSS, DQPSK, DBPSK |
| Data Transfer Speed ^{*16} | IEEE802.11g: 54M/48M/36M/24M/18M/12M/9M/6M (bps) IEEE802.11b: 11M/5.5M/2M/1M (bps) |
| Communication Range ^{*17} | Approximately 30m This varies depending on the location of the devices, usage environment, and usage conditions. |
| Security Protocol | WEP (64/128bit), WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES) |

*16:The data transfer speeds are the maximum theoretical values based on the wireless LAN standard and may differ from the actual data transfer speed.

*17:The communication range may vary depending on obstructions between the two devices, signal strength, location of the devices, usage environment, software or operating system in use, and other factors.