

Bluetooth[®] and wireless LAN support

G700SE

The water, dust, and shock resistant digital camera



Ricoh G700SE - Dynamic Capture Solution Camera

GPS Onboard – True GPS Integration

The Ricoh G700SE allows you to put your images on the map with its optional GPS and compass attachment. The GPS module is easily and securely attached to the camera, compact and easy to carry. Allowing you to lock in the GPS coordinates of a specific location, so you can adjust the camera angle before capturing the image. For sub-meter, or high accuracy GPS, the Ricoh G700SE can also connect to Bluetooth[®] enabled field data collection devices.



Data Collection - Embedded Attribute Information & Sound

The Ricoh G700SE enables expanded data capture with your images. In addition to GPS and barcode data, you can also store up to 20 fields of attribute information and/or a voice recorded message with your image. The data is stored within the image, and can be extracted to integrate with multiple applications.



Wireless Connectivity

The Ricoh G700SE features "active search" onboard Bluetooth[®] and/or WIFI capabilities. Wireless capabilities allow for instant data transfer to the camera, as well as instant picture send capability from the camera to any database wirelessly.



Laser Range Finder Integration

The Ricoh G700SE can combine Laser Range Finder data with your images. Laser range finder integration allows location information to be captured for 'off in the distance' or inaccessible points of interest

All Weather – Waterproof and Extremely Rugged

The Ricoh G700SE delivers a drop resistant, waterproof solution. It's rugged design and protective casing are built to withstand the most challenging environments while delivering the highest quality results.



Security – Enhanced Data Protection

The Ricoh G700SE has built in Password Restriction, protecting your camera and images from unwanted access. G700SE also supports WORM (Write Once Read Many) technology. Data stored on SanDisk[®] SD[™] WORM cards can not be modified or deleted.



RICOH Dynamic Capture

<http://www.RicohDC.com>

Call 909.890.9039

G700SE Major Specifications

Items	Specification	
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 ∞ (Telephoto) (from the front of the lens)
Zoom Magnification	Optical zoom at 5.0X ,Digital zoom at 4.0X	
Blur Reduction	Digital image stabilizer	
ISO Sensitivity (Standard Output Sensitivity)	Auto/ISO 64/ISO 100/ISO 200/ISO 400/ISO 800/ISO 1600/ISO 3200	
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 *2	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 (3.3 V 256MB, 512MB, 1GB, 2GB), SDHC memory card (up to 32 GB), SD WORM card *3 (128MB, 1GB) , Internal Memory (approx. 103 MB)	
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)
Power Supply	Rechargeable Battery (DB-65) x 1 , AAA Alkaline Battery x 2, AAA Nickel-Hydrogen Battery x 2	
Battery Life *4	Based on CIPA standard, DB-65: approx. 360 shots / AAA alkaline: 40 shots *5	
Dimensions (W x H x D)	118.8mm (W) x 71.0mm (H) x 41.0mm at thinnest, excluding projections	
Weight	Approx. 286 g (excluding battery, SD memory card, and strap)	
Water Resistance/Dust Resistance/Chemical Resistance	JIS/IEC waterproof grade 8, shooting to a water depth of approx. 5 m JIS/IEC dustproof grade 6 External cleaning possible with ethanol and sodium hypochlorite for disinfection	
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 : The picture quality mode that can be set varies depending on the image size.

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

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

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

Bluetooth® Communication Part

Items	Specification
Communication Method	Bluetooth™ standard Ver. 2.1+EDR
Output	Bluetooth™ standard Power Class 2
Communication Range *6	Approximately 10 m (line of sight)
Supported Bluetooth™ Profile *7	BIP, OPP, SPP
Frequency Band	2.4 GHz band (2.400 GHz - 2.4835 GHz)

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

*7 : These are specifications according to the intended use of the BluetoothR-enabled devices and are predetermined by BluetoothR standards.

Wireless LAN Communication Part

Items	Specification
Compliance Standard	IEEE802.11b/g
Transmission Method	IEEE802.11g : OFDM IEEE802.11b : DSSS、DQPSK、DBPSK
Data Transfer Speed *8	IEEE802.11g : 54M/48M/36M/24M/18M/12M/9M/6M(bps) IEEE802.11b : 11M/5.5M/2M/1M(bps)
Communication Range *9	Approximately 30 m(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)
Frequency Band	2.4 GHz band (2.412 - 2.462 GHz)

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

*9 : 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.



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