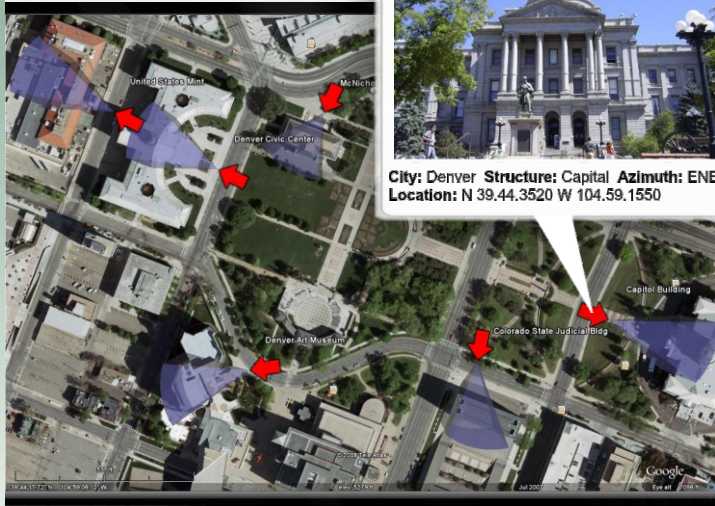
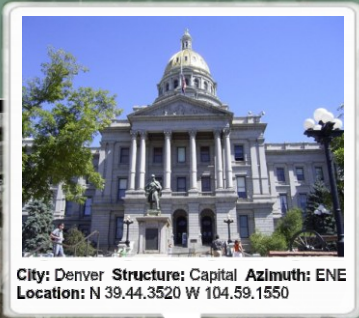


The Ricoh 500SE GPS-ready Digital Camera

Capture Location Data with Your Images

- Automatically embeds GPS coordinates into captured images
- Seamless transfer of images and data to mapping software
- Rugged field-ready Geo-imaging solution
- Superior resolution and ease of use



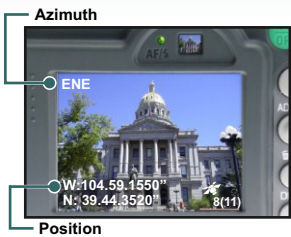
Reliable, Durable, Proven

Ricoh understands the needs of the GIS professional. The 500SE provides the definitive streamlined process to integrate quality images with workflow-related attribute data into popular mapping applications.

Where other "all-in-one devices" produce inferior quality pictures, the 500SE provides ultra-high quality images in any lighting or environmental situation.

From the flood waters of New Orleans to the sands of Iraq, the Ricoh Geo-imaging solution has passed the test of time in the most demanding of conditions.

Complete Geo-imaging Solution



Geo-coded Images and Video

The 500SE's large LCD provides precise real-time position information derived from either the camera's attached GPS module or from external GPS devices. As images and videos are captured, this data is embedded into the media file's header. The GPS-lock feature lets you capture the location of nearby objects.



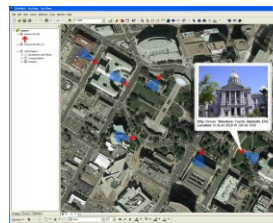
On-board Data Dictionary

In addition to recording GPS data, the 500SE supports user-definable data-dictionaries for tagging images with workflow-related information. This data becomes attributes in GIS applications. Attribute data and GPS information may be imprinted on the images as they are captured to provide a permanent record.



External GPS Support

To facilitate workflows that may require precision GPS positioning, the 500SE can accept GPS position information from Bluetooth® equipped external GPS devices. The camera's Bluetooth® auto-connect feature makes establishing a connection with wireless devices as easy as turning the camera on.



Automatic Map Integration

Image sets are converted on the fly into popular mapping layer or database files. Instant viewing of the images or video is just a symbol click away. Full attribute table support allows images to be searched based off their data tags. Full support for ArcGis®, GoogleEarth®, GoogleMaps®, Virtual Earth® and military tactical mapping applications.



Designed to Deliver

Machine reliability and image quality are the foundation of the 500SE's design. Built to withstand the harshest of outdoor environments, the 500SE camera body is compliant with MIL-STD-810F for water-resistance and transit shock, ensuring it will remain operational where other cameras would fail.

RICOH

www.ricoh-usa.com/geo

The Ricoh 500SE GPS-ready Digital Camera



Optimized for GIS workflows

“Picture Priority” Image Quality

A high-resolution 8MP CCD, all-glass telephoto optics, powerful built-in flash, image stabilization and rapid shutter response combine to provide image and video quality far above any alternative all-in-one device. If quality images in any lighting condition is critical to your GIS workflow, only the 500SE will deliver the results you require.

Rangefinder-Ready

The 500SE connects automatically to supported Bluetooth® laser rangefinders. Distance information is displayed on the camera's LCD and embedded into the image file. The positions of the target and camera are both displayed in GIS software using available plugins.



Barcode Scanning Capability

Simply point the 500SE at a barcode and push the scan button. Instantly the barcode data populates the on-board data dictionary and is embedded into images that are captured. Relating geo-coded images to barcoded assets has never been easier.



Mobile Mapping Software Support

The 500SE makes adding high-resolution images to field-based data-collection workflows a breeze. Available ArcMap® plugins allow for individual images or image sets to become new records or append to existing records automatically. End-of-day syncing with ArcMap® seamlessly integrates the images and related attribute information into feature classes on the fly.



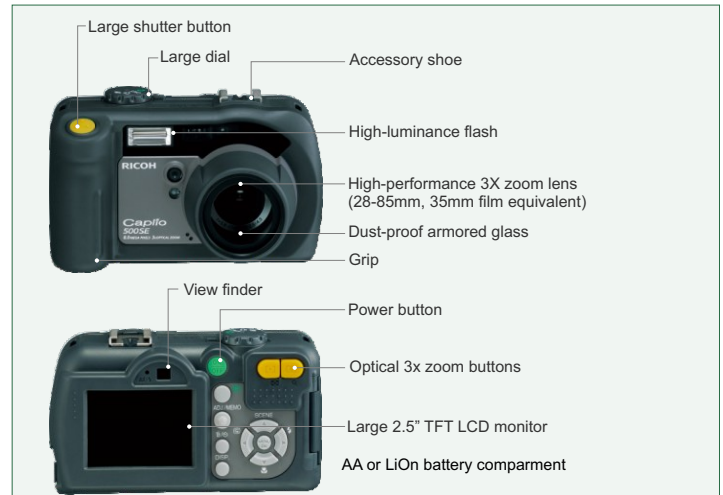
Precision GPS Modules

The SE-2g GPS module affixes to the side of the 500SE to provide a total geo-imaging solution. Advanced GPS technology and a helix antenna provide optimal fast fix times and a typical accuracy of 1 to 5 meters. Track-logs are recorded at user-defined intervals to the camera's SD memory card. The SE-2c GPS / Compass module has the same capabilities but includes a 3-axis compass to provide azimuth (direction) information as well.



Wireless Image Transfer

Transferring images via WiFi or Bluetooth® to mobile devices or handheld GPS units is a breeze with the “one-touch” sending feature on the 500SE. Transferred images may be directly injected into reports, added to feature-class points, or uploaded on the fly with cellular enabled devices.



500SE Major Specifications

Item	Description
CCD:	Effective 8.13 million pixels 1/1.8-inch primary-color CCD
Focal length:	f: 5.8-17.4mm (equivalent to 28-85mm for 35mm film cameras)
Recording Media:	SD Memory Card™ (Up to 2GB) Built-in Memory 26MB
LCD Monitor:	2.5" translucent amorphous silicon TFT LCD (approx. 153,000 pixels)
Dimensions:	(W x D x H) 133.0 x 78.5 x 74.0mm (excluding projections and Module)
Weight Approx.:	430g (excluding battery, SD Memory Card, GPS Module)
Power Source:	Rechargeable battery (DB-43) x 1, AA battery x 2 ,AC adaptor
Bluetooth:	Communication scheme: Bluetooth® standard version 2.0+EDR
Output:	Bluetooth® Supported Bluetooth® profiles: BIP, OPP, SPP
Wireless LAN*:	IEEE802.11b/g
Security:	WEP (64/128 bit), WPA-PSK (TKIP/AES), WPA2- PSK (TKIP/AES)
	*Wireless LAN supported on 500SE-W model only

SE-2 Module Major Specifications

Item	Description
Channels:	40 channels: all in view tracking SBAS enabled (WAAS/EGNOS/MSAS)
Accuracy:	1-5m, 2D RMS, WAAS enabled
Acquisition Time:	Hot start -1 sec. Warm start -38 sec. Cold start - 42 sec.
Antenna internal:	Active Geohelix Antenna
External:	Optional Patch antenna via MMCX port
Compass:	(SE-2g Only) 3 Axis Heading Accuracy: At level +/- 3 degrees (on avg.)
	*Compass accuracy may vary based off environmental conditions and tilt.

Your Authorized 500SE Reseller

