

# The Ricoh 500SE GPS-ready Digital Camera

## Capture Location Data with Your Images

- Automatically embeds GPS coordinates with captured images
- Seamless transfer of pictures 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 into mapping software applications.

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. To understand how your workflow can benefit from Geo-imaging, dial 909-890-9040 for more information.



## Complete Geo-imaging Solution



### Wireless Imaging Simplified

Bidirectional communication capabilities allow for instant transfer of images to mobile devices via Bluetooth or WiFi\*. Alternately, the camera accepts NMEA data from external Bluetooth-enabled GPS devices.

*\*WiFi version required.*



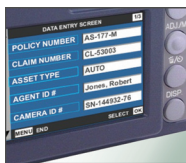
### Geo-coded Images and Video

The 500SE's large LCD provides precise real-time WGS-84 or MGRS position information derived from either the camera's detachable GPS module or from external GPS devices. As content is captured, this data is embedded into the media file's header.



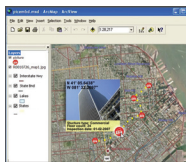
### Designed to Deliver

Machine reliability and image quality are the foundation of the 500SE's design. Built to withstand the harshest of outdoor environments, the 500SE is easy to operate and captures stunning 8MP images and superb video in any condition.



### Embedded Attribute Data

In addition to storing GPS data in image and video, the 500SE provides a user-defined data-dictionary for tagging the media with workflow-related information. This 'meta-data' becomes attributes in any GIS system and may be automatically imprinted on the images.



### Automatic Map Integration

Geo-coded images and video are automatically converted into 'layer files' by available GIS plug-ins. Hovering over a point displays a thumbnail with the user-defined attributes, while clicking on the point opens the full-size image.

# RICOH

[www.ricohsolutions.com/geo](http://www.ricohsolutions.com/geo)

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## Camera Shake Blur Reduction

The 500SE reduces camera shake blur by combining high ISO settings with fast shutter speeds. Now you can shoot with greater confidence in dark situations.

## Powerful Built-in Flash

The built-in flash unit allows clearer shooting in a wider range of situations. Its powerful illumination extends 10 meters in wide-angle shots and 6.5 meters in telephoto shots.

## Large, Easy-to-view 2.5-inch LCD Screen

The large LCD screen features an anti-reflection coating to preserve screen readability in high ambient light environments. You can easily adjust screen brightness to optimize image clarity. There is also an optical viewfinder, so you can use whichever is right for the situation, for more reliable photography.

## Wide Coverage with 28mm Wide-angle Zoom Lens

Ricoh's 28mm wide-angle zoom lens can capture larger areas than the 35mm lenses of conventional digital cameras. When there is limited space to maneuver, you can more easily capture an entire building or construction site with the 500SE.

## Vivid 1cm Macro Photography

Capture subjects as close as 1cm away in the macro wide-angle mode or 10cm away in the tele-macro mode. The built-in flash unit illuminates subjects as close as 20cm from the camera.

## Large Buttons and Dials

All buttons and dials are large enough to ensure you can easily operate the camera even when wearing gloves.

## Memo Function for More Convenient Data Management

Keep memos as part of your photo information. Memos are particularly handy for distinguishing numerous similar photographs and can dramatically heighten management efficiency.

## Barcode Memo Function for Temporary Memos

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## 500SE Major Specifications

Item	Description
CCD	Effective 8.13 million pixels (8.30 million square pixels), 1/1.8-inch primary-color CCD
Lens	Focal length f: 5.8-17.4mm (equivalent to 28-85mm for 35mm film cameras), Step-zoom intervals: 4 steps (28mm, 35mm, 50mm, 85mm), Aperture F: 2.5(W)-4.3 (T)
Recording Media	SD Memory Card™ (3.3V 32/64/128/256/512MB/1GB), Multi Media Card, Built-in Memory 26MB
Recording Mode	Still mode (Continuous, S-Continuous, M-Continuous), Scene mode (High-sensitivity, Fire, Skew Correction, Text, Zoom Macro), Motion mode, Sound mode
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)
Weight	Approx. 430g (excluding battery, SD Memory Card, hand strap), Accessories (battery, hand strap) approx. 50g
Power Source	Rechargeable battery (DB-43) x 1, AA battery x 2, AC adaptor (AC-4d)
Bluetooth Specifications	Communication scheme: Bluetooth® standard version 2.0+EDR, Output: Bluetooth® standard Power Class 2 Supported Bluetooth® profiles: BIP, OPP, SPP
Wireless LAN specifications	Interface standard: IEEE802.11b/g Security: WEP (64/128 bit), WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)



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