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MAP DRAWING METHOD AND DEVICE USING CAPTURED IMAGES AND IMAGE
DISTORTION CORRECTION METHOD

ABSTRACT

There is provided a method for obtaining a map drawing image with high resolution and without distortion. The ground surface is imaged from an airplane (S10), so that an aerial image is obtained (S12). Meanwhile, the same ground surface is also imaged from a satellite (S20), so that a satellite image is obtained (S22). While aerial images have very high resolution, satellite images have an extremely small amount of distortion. With geometric correction using the satellite images, distortion of the aerial images is removed (S34). Making best use of the advantages of both aerial and satellite images, images with high resolution and without distortion can be obtained. Using such an image, a highly accurate map can be made (S42).