



數碼正射影像圖 DOP5000 – 0.5 米地面像元 Digital Orthophotos DOP5000 - 0.5m Ground Pixel

數碼正射影像圖是具有正確比例及位置資料的地貌數碼影像圖。它是利用地貌模型及相關的攝影數據，將航空照片因地形及攝影角度而產生的變形影像加以矯正。DOP5000 系列數碼正射影像圖主要採納 2,400 米飛行高度的航空照片，並以 3,600 米及/或 6,000 米飛行高度的航空照片輔助，通過修正這些照片的影像位置製作成圖，而建築物影像除外。至於架空道路及天橋更被矯正為真實正射影像。DOP5000 系列數碼正射影像共有 190 幅影像圖覆蓋全香港土地。此系列的數據是採納 Tiff 格式，及包含相關的 world 檔案作影像地理定位之用。每幅數碼正射影像的檔案容量約為 128MB。此系列影像的地面像元為 0.5 米 x 0.5 米。DOP5000 系列數碼正射影像圖將每年更新一次。

Orthophoto is derived from aerial photos in which image displacement caused by relief and camera tilts has been rectified. Orthophoto maintains the pictorial information of the original aerial photos and has uniform scale. Digital Orthophoto DOP5000 series is produced from the aerial photos taken mainly at a flying height of 2,400m and supplemented by 3600m and/or 6000m flying height aerial photos. Distortions of photographic images caused by tilting of aerial camera and relief are rectified except those of the building structures. True ortho-rectification has also been applied to elevated roads and bridges. DOP5000 series consists of 190 tiles covering all the land area of Hong Kong Special Administrative Region. It is provided in Tiff format on tile basis including a world file with geo-referencing data in Hong Kong 1980 Grid. The data file size of each tile is about 128MB. The ground pixel size is 0.5m x 0.5m. The image content of DOP5000 series will be updated annually.