



Information Paper of Hong Kong Digital Map

Introduction

The Digital Maps covering the whole territory of Hong Kong are available for free download or for sale to the public at the Hong Kong Map Service 2.0 - (www.hkmapservice.gov.hk). The Digital Maps are continuously updated by SMO. Except Digital Aerial Photos which are stored in individual copy basis, all map details are stored as **continuous** and seamless map base. Coordinates of the Digital Maps are in Hong Kong 1980 Grid, and heights are in metres above the Hong Kong Principal Datum.

Types of Product	Product Name	Scale	Data Format					Coverage (Sheet) #
Digital Topographic Map	iB1000	1:1000	FGDB	GML	DWG	DGN v8	GeoTIFF	3,332
	iB5000	1:5000						192
	iB10000	1:10000						59
	iB20000	1:20000						18
Digital Land Boundary Map	iC1000	1:1000	FGDB	GML	DWG	DGN v8		4,683
Geo-Reference Database	iG1000		ASCII	FGDB	GML	DWG	DGN v8	56
Digital Orthophoto	DOP1000-1963P (Plain Image Version)	1:1000	DOP1000 is only available in GeoTIFF with Worldfile.					2776
	DOP1000-1963G (Grid Line Version)							
	DOP1000-1982P (Plain Image Version)							1137
	DOP1000-1982G (Grid Line Version)							
	DOP5000	1:5000	DOP5000 is only available in GeoTIFF with Worldfile.					192
	DOP5000-1982							182
	TDOP	1:5000	TDOP is only available in GeoTIFF with Worldfile.					192
	DOPM50-L0	1:50000	DOPM50-L0 is only available in GeoTIFF with Worldfile.					1
	DOPM100-L0	1:100000	DOPM100-L0 is only available in GeoTIFF with Worldfile.					1
Digital Aerial Photo	DAP		DAP is only available in TIFF (with camera calibration report).					
	DAP_RGBI		Available in TIFF (with camera calibration report and Worldfile)					
	DAP_RGB, DAP_CIR		Available in TIFF (with camera calibration report and Worldfile)					
	DAP-L0		DAP-L0 is only available in JPEG (without camera calibration report).					
	DAP-L0_RGB, DAP-L0_CIR		Available in JPEG (without camera calibration report and World file)					
GeoCommunity Database	iGeoCom		iGeoCom is only available in MS Excel , MS Access and CSV format.					1
3D Spatial Data	3D-BIT00		3D-BIT00 is only available in 3D Max , 3ds , FBX and VRML format.					3,271

Note:

DWG = AutoCAD 2000 and above

DGN v8 = Microstation v8 or above

FBX = Autodesk FBX

TIFF = Tagged-Image File Format (Colour, except some DAP are provided in Black & White only)

CSV = Comma-Separated Values

— Sheet No. varies from time to time, please refer to Sheet Index for latest coverage

FGDB = File Geodatabase (Version 9.3.1)

Max = Autodesk 3D Max 2011

VRML = Virtual Reality Markup Language 97

GML = Geographic Markup Language (Version 3.1.1)

3ds = Autodesk 3D Studio

ASCII = Delimited Text

GeoTIFF = Geo-referenced Tagged-Image File Format

Data Dictionary

Data Dictionary summarises the data structure and related attributes of each Digital Topographic Map, Digital Land Boundary Map and GeoCommunity Database according to various data formats, the corresponding symbology settings and the description of feature tables as well. It facilitates development of application programs and improves understanding of the data. Data Dictionary is now available at (<https://open.hkmapservice.gov.hk/OpenData/resourcesIndex>) free-of-charge.

Metadata

Metadata is the information about data which helps the prospective users to decide what data is available, how good the data is and where to obtain the data. Metadata file of Digital Topographic Map (iB1000, iB5000, iB10000, & iB20000) and Digital Land Boundary Map (iC1000) could be viewed from SMO web page at (<https://www.hkmapmeta.gov.hk>)

Download Digital Map

Most digital map products are released to the public for free. Please visit the Hong Kong Map Service 2.0 - (<https://www.hkmapservice.gov.hk/>) to browse and download the free data. Users can also access to the information at the CSDI Portal - (portal.csdi.gov.hk) and the Public Sector Information Portal - (data.gov.hk). Users are allowed to retrieve and download the information for both commercial and non-commercial purposes on a free-of-charge basis with complying the "TERMS AND CONDITIONS OF USE" as stipulated at the following URLs -(<https://portal.csdi.gov.hk/csdi-webpage/doc/TNC?lang=en>) & (<https://data.gov.hk/en/terms-and-conditions>).

Purchase Digital Map

For purchasing the chargeable digital map products, please login the Hong Kong Map Service 2.0 - (<https://www.hkmapservice.gov.hk/>), providing one-stop e-Ordering, e-Payment and e-Delivery of the Government Digital Map.

Licence to Use Digital Map

A non-exclusive and non-transferable Licence will be issued to customer after purchasing the chargeable digital map products. It permits the licensee to use the map from the date as set out in the Licence. If the licensee ceases using the Digital Map, the licensee should confirm to the Government's Representative in writing that the Digital Map has been erased from the computer configuration.

Enquiries on Digital Map Products:

Address:

Map Publications Centre, Hong Kong

Survey and Mapping Office, Lands Department, 6/F North Point Government Offices

333 Java Road, North Point, Hong Kong

Tel: (852) 2231 3187 Fax: (852) 2116 0774 Email: smosale1@landsd.gov.hk

Web Site of SMO, Lands Department: <https://www.landsgov.hk/en/index.html>

Related Information Leaflets / Forms

- ☞ Price List of Hong Kong Digital Map
- ☞ Map Features of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, iGeoCom and 3D-BIT00
- ☞ Sheet Index of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, DOP1000, DOP5000, iGeoCom and 3D-BIT00
- ☞ Revision Date of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, iG1000, DOP5000, iGeoCom and 3D-BIT00
- ☞ Data File Size of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, DOP5000/ DAP, iGeoCom and 3D-BIT00