



Information Paper of Hong Kong Digital Map

Introduction

The Digital Maps covering the whole territory of Hong Kong are available for sale to the public from Map Publications Centre, Hong Kong. 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) #	
			FGDB	GML	DWG	DGN v8	GeoTIFF		
Digital Topographic Map	iB1000	1:1000	FGDB	GML	DWG	DGN v8	GeoTIFF	3,306	
	iB5000	1:5000						191	
	iB10000	1:10000						59	
	iB20000	1:20000						18	
Digital Land Boundary Map	iC1000	1:1000	FGDB	GML	DWG	DGN v8		4,564	
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 World File.					2,541	
	DOP1000-1963G (Grid Line Version)								
	DOP5000	1:5000	DOP5000 is only available in GeoTIFF with World File.					191	
	DOPM50-LO	1:50000	DOPM50-LO is only available in JPEG with World File.					1	
Digital Aerial Photo	DAP		DAP is only available in TIFF (with camera calibration report).						
	DAP_RGBI, DAP_RGB, DAP_CIR		Available in TIFF (with camera calibration report and World file)						
	DAP-LO		DAP-LO is only available in JPEG (without camera calibration report).						
	DAP-LO_RGB, DAP-LO_CIR		Available in JPEG (without camera calibration report and World file)						
GeoCommunity Database	iGeoCom		iGeoCom is only available in MS Excel and MS Access format.					1	
3D Spatial Data	3D-BIT00		3D-BIT00 is only available in 3D Max , 3ds and VRML format.					3261	

Note:

DWG = AutoCAD 2000 and above FGDB = File Geodatabase (Version 9.3.1) GML = Geographic Markup Language (Version 3.1.1)
 DGN v8 = Microstation v8 or above 3D Max = Autodesk 3D Max 2008 3ds = Autodesk 3D Studio
 VRML = Virtual Reality Markup Language 97 ASCII = Delimited Text
 TIFF = Tagged-Image File Format (Colour, except some DAP are provided in Black & White only) GeoTIFF = Geo-referenced Tagged-Image File Format
 # – Sheet No. varies from time to time, please refer to Sheet Index for latest coverage

Data Dictionary

Data Dictionary summarises the data structure and related attributes of each Digital Topographic Map and Digital Land Boundary Map 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 of iB1000, iB5000, iB10000, iB20000 and iC1000 in File Geodatabase (FGDB), Geographic Markup Language (GML) and CAD (DWG/DGN) formats are now provided free-of-charge, and are available for download at https://www.landsd.gov.hk/mapping/en/digital_map/datadictionary.htm. If Customers have purchased any Digital Products, the Data Dictionaries for the corresponding products and data formats will also be included in the product file package as part of the Resource files.

Types of Data Dictionary:	Revision Date		
	FGDB	GML	CAD
iB1000	January 2019	January 2019	January 2019
iB5000	October 2017	October 2017	October 2017
iB10000	December 2018	December 2018	December 2018
iB20000	December 2018	December 2018	December 2018
iC1000	May 2018	May 2018	May 2018

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 <http://www.hkmapmeta.gov.hk>

Licence to Use Digital Maps

A non-exclusive and non-transferable Licence will be issued to customer after purchasing Digital Maps. 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.

Copyright

The Government of HKSAR remains the owner of Digital Map at all times. Prior written consent must be obtained from the Government before incorporating the Map in any product for distribution to any third party, with or without charges.

Sample Map for Testing Computer System

Sample Map of each product is available free of charge at SMO/LIC. Request can be submitted through the Lands Department's web site at http://www.landsd.gov.hk/mapping/en/digital_map/sampledata.htm.

Sample Map (except DOP series, DAP series and iGeoCom) to Academics for Teaching Purpose

Sample Map to academics for teaching purpose is available on request at a nominal administrative fee. Sample Data contains Road, Building, Relief, and Hydro Features, and are one to two years outdated. Limits for supplying the Sample Data are 12 sheets for iB1000 and iC1000, 1 Sheet for iB5000, iB10000, iB20000, iG1000 and 3D-BIT00. Request can be made by completing the Digital Map Order Form with support by a letter from the School Principal or Department Head of post-secondary education institute.

Purchase Map

Please login Hong Kong Map Service 2.0 Web Site: www.hkmapservice.gov.hk, providing one-stop e-Ordering, e-Payment and e-Delivery of Government Digital Map **OR** complete and sign the 「Digital Map Order Form」 and return it to Map Publications Centre, Hong Kong for processing. When the map is ready, a Notice of Payment will be issued to the customer for settling payment and collection at the address below. The Order Form can be obtained from the Map Publications Centre, Hong Kong or downloaded from Lands Department's web site at http://www.landsd.gov.hk/mapping/en/digital_map/purchase.htm.

Seamless i-series Digital Map

Apart from discrete tile digital maps, seamless Digital Map covering your "Area-of-interest" is also available now. The product is one single file of Digital Map in seamless nature. Please send email to smosale1@landsd.gov.hk or visit Hong Kong Map Service 2.0 Web Site: www.hkmapservice.gov.hk for placing orders and more details.

Enquiries on the Purchase of Digital Map:

Address:

Map Publications Centre, Hong Kong

Survey and Mapping Office, Lands Department, 23/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: www.landsd.gov.hk/mapping/welcome.htm

Related Information Leaflets / Forms

- ☞ Digital Map Order Form with Ordering Guideline
- ☞ Application Form for Changes of Computer Terminal
- ☞ 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, G1000, DOP5000, iGeoCom and 3D-BIT00
- ☞ Data File Size of iB1000, iB5000, iB10000, iB20000, iC1000, iG1000, DOP5000/ DAP, iGeoCom and 3D-BIT00
- ☞ Guidelines for Request of Sample Map for Teaching Purpose
- ☞ Technical Specifications for Ordering Seamless i-Series Digital Map