

SMART EYES IN THE SPACE KOMPSAT

SI Imaging Services

Exclusive representative of KOMPSAT image.

Also distributor of Direct Receiving System for KOMPSAT.



VHR Satellite images

With the resolution up to 40cm, KOMPSAT constellation spots small features clearly and detects changes over sites.

Operations

We run KOMPSAT operation by our own including imaging plan, image processing, calibration, validation and so on.



Direct Receiving System

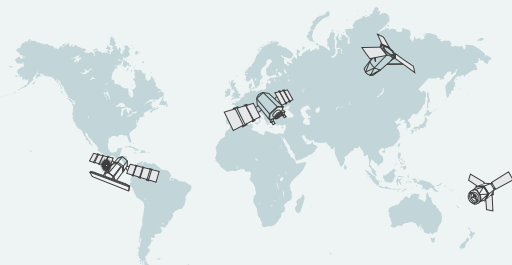
It is a flexible and modular system for acquisition, archiving, processing, analysis and distribution of KOMPSAT image.

KOMPSAT (Korea Multi-Purpose Satellite) Program

National space development program.

Developed and operated by KARI.

KOMPSAT Constellation operation



EO

KOMPSAT-2, KOMPSAT-3, KOMPSAT-3A
KOMPSAT-7

SAR

KOMPSAT-5, KOMPSAT-6



KOMPSAT-3A

VHR EO

Product resolution

PAN : 0.4 m MS : 1.6 m
@ altitude 528 km (nadir)

Data quantization

14 bits / pixel

Orbit

Sun synchronous orbit

Location accuracy

6.20 m RMSE, < 9.40 m CE 90 with POD/PAD

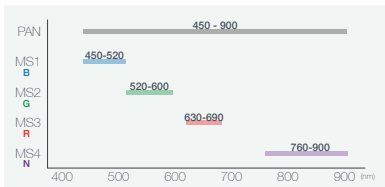
MLTAN

13:30 (local time)

Map projection / Datum

UTM / WGS84

Spectral bands



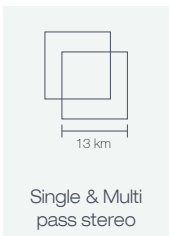
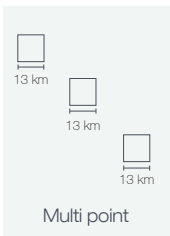
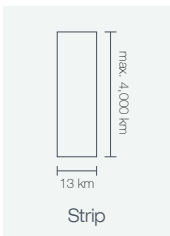
File format

GeoTIFF

Swath width

13 km (nadir)

Imaging mode





KOMPSAT-3



VHR EO

Product resolution

PAN : 0.5 m MS : 2.0 m
@ altitude 685.13 km (nadir)

Data quantization

14 bits / pixel

Orbit

Sun synchronous orbit

Location accuracy

19.9 m RMSE, < 30.19 m CE 90 with POD/PAD

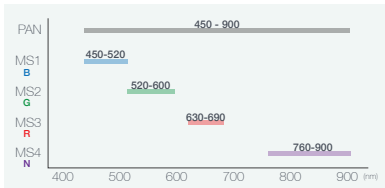
MLTAN

13:30 (local time)

Map projection / Datum

UTM / WGS84

Spectral bands



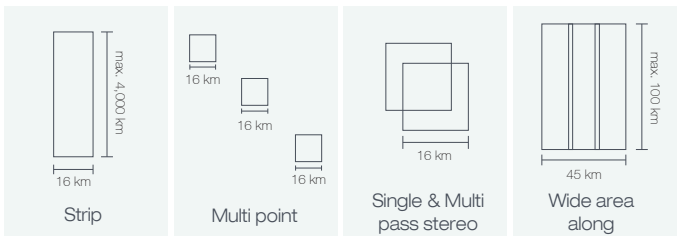
File format

GeoTIFF

Swath width

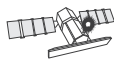
16 km (nadir)

Imaging mode





KOMPSAT-5



X-band SAR

Map projection / Datum

UTM / WGS84

Location accuracy

Location (Geometric)	Ground resolution		
	ES	EH	UH
6.22 m CE 90	< 2.5 m	< 1 m	< 0.85 m

MLTAN

06:00 / 18:00 (local time)

Orbit

Dawn-dusk orbit

Orbit cycle

28 days

Altitude

550 km

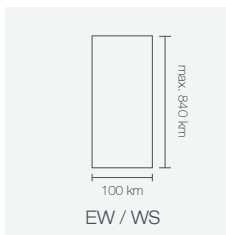
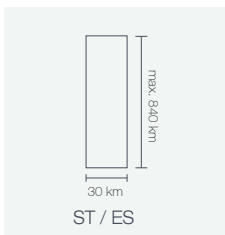
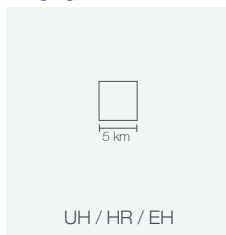
File format

HDF5 / GeoTIFF

Imaging mode		GSD *	Swath *	Polarization Single Polarization (HH, HV, VH, VV)
Spotlight	UH Ultra HR	0.85 m	5 km	
	EH Enhanced HR	1 m		
	HR High Resolution			
Strip	ES Enhanced Strip	2.5 m	30 km	
	ST Strip	3 m		
Wide swath	EW Enhanced WS	20 m	100 km	
	WS Wide Swath			

* @ nominal incidence angle of 45°

Imaging mode





“ FAIR ACCESS TO SPACE ”



Online catalogue search

<http://ksatdb.kari.re.kr/arirang>

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