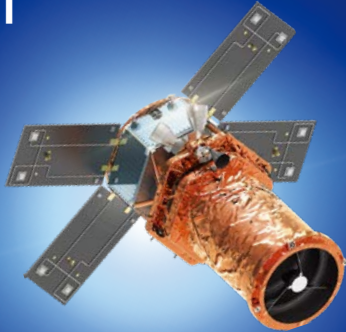




Expected Launch 2024

SpaceEye-T 100% Commercial



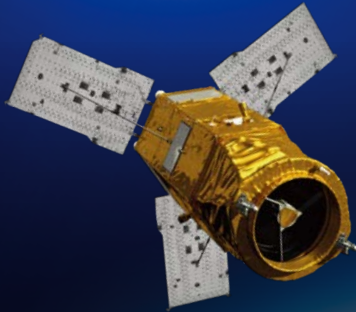
VHR EO

Product resolution
 PAN : 0.3 m MS : 1.2 m
 @ altitude 600 km (nadir)

Swath width
 14 km (nadir)

Data quantization
 12 bits / pixel

KOMPSAT-7 KOMPSAT-7A



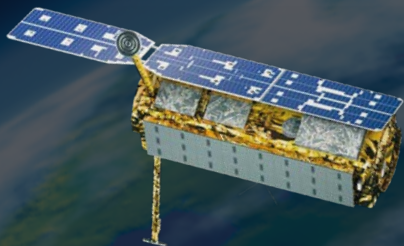
VHR EO

Product resolution
 PAN : 0.3 m MS : 1.2 m
 @ altitude 685 km (nadir)

Camera
 AEISS-HR

Optical Unit
 1.05 m

KOMPSAT-6



X-band SAR

Imaging mode	GSD	Swath	Polarization
Spotlight	0.5 m	5 km	HH HV VH VV
	1 m	10 km	
Strip	3 m	30 km	
Wide swath	20 m	100 km	

SpaceEye-T 2024

The age of searching for stars with space telescopes that show the wonders of the celestial body in unprecedented detail, captivated by the mysteries of the universe. As we turn our gaze back to our home planet: Earth, we realize that there is still so much to explore and understand. We once again push the boundaries of satellite imagery to a new level. From planning to environmental monitoring, from agriculture to disaster response, SpaceEye-T opens up possibilities as limitless as the horizon it captures.

VHR EO

Product resolution

PAN : 0.3 m MS : 1.2 m
@ altitude 600 km (nadir)

Downlink speed

1.6 Gbps

Swath width

14 km (nadir)

Collection capability

300,000 Km² /day

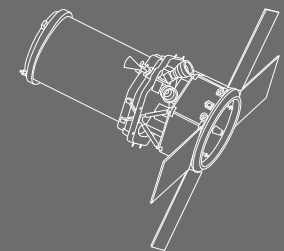
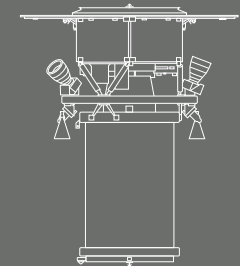
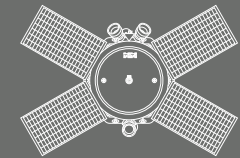
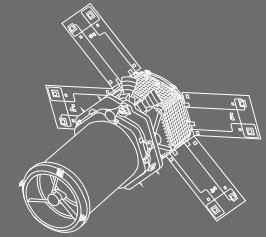
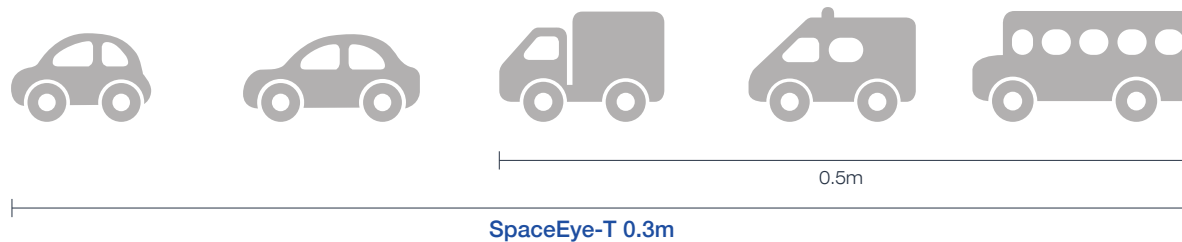
Data quantization

12 bits / pixel

Weight

700 Kg

3.4 times improved identification capability



KOMPSAT-3A

Product resolution

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

Swath width

13 km (nadir)

Location accuracy

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

KOMPSAT-3

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

16 km (nadir)

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

MLTAN

13:30 (local time)

Orbit

Sun synchronous orbit

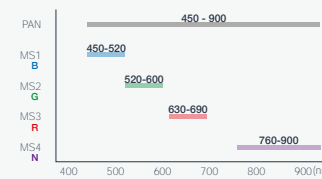
Data quantization

14 bits / pixel

Map projection / Datum

UTM / WGS84

Spectral bands



File format

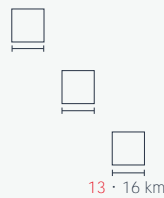
GeoTIFF

Imaging mode

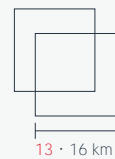
■ KOMPSAT-3A ■ KOMPSAT-3



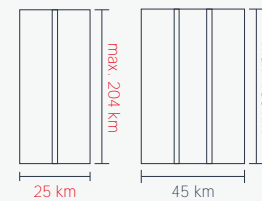
Strip



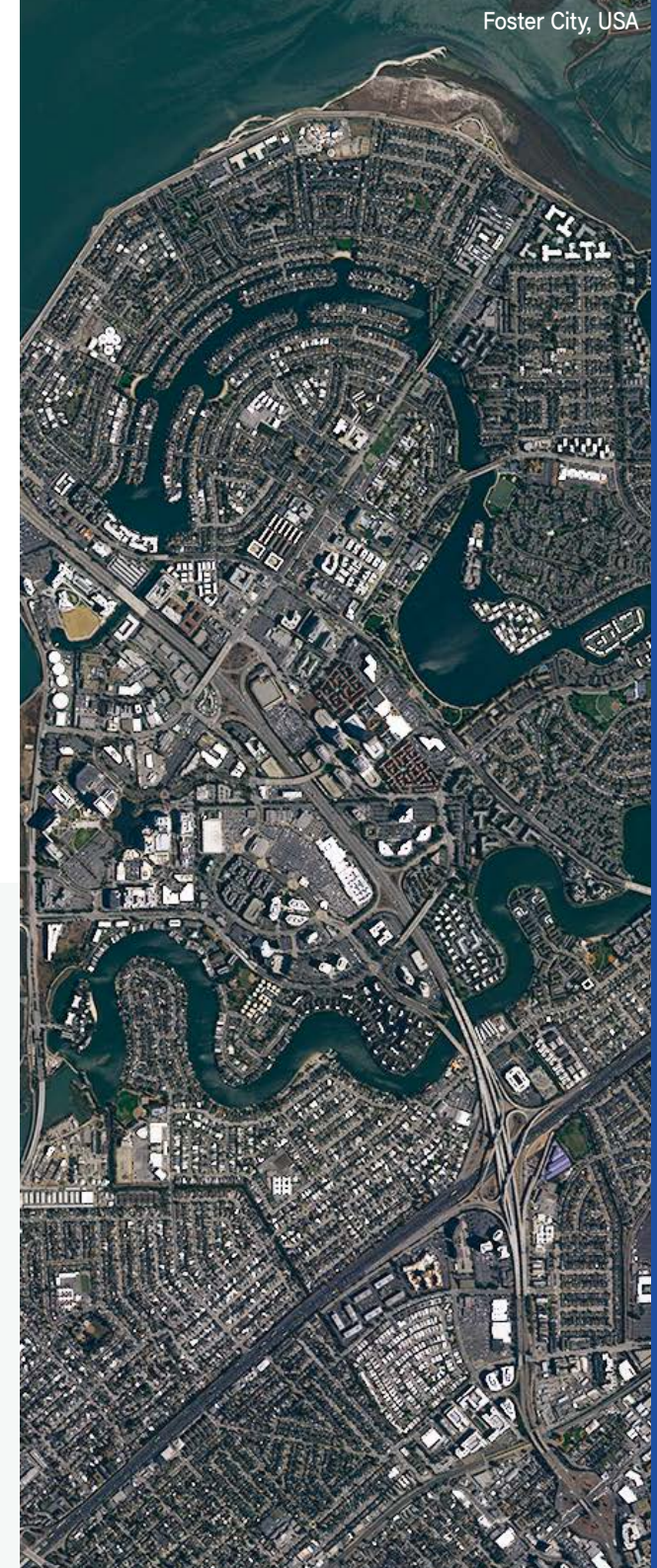
Multi point



Single & Multi pass stereo



Wide area along





X-band SAR

KOMPSAT-5

MLTAN
06:00 / 18:00 (local time)

Orbit
Dawn-dusk orbit

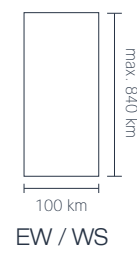
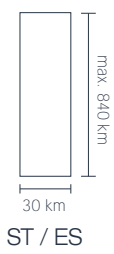
Map projection / Datum
UTM / WGS84

Orbit cycle
28 days

Altitude
550 km

File format
HDF5 / GeoTIFF

Imaging mode



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

* @ nominal incidence angle of 45°

Location accuracy

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

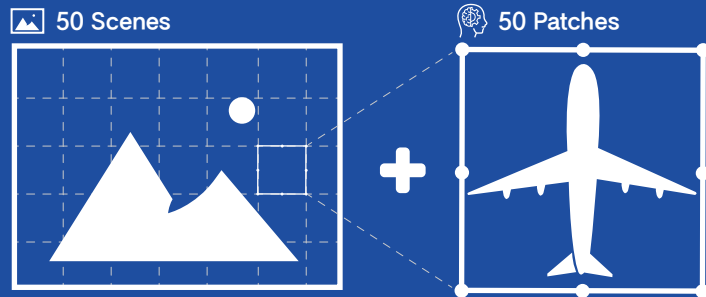




AI Training Data

Contents

50 Scenes + Patches for 50 Scenes



Satellite

KOMPSAT-3, KOMPSAT-3A

Scene Condition

Minimum guarantees of valid objects in the scene
Satellite scenes are limited to archive data
(Unable to set specific dates)

Patch Condition

Standard size: 1,024x1,024 pixel
Patch size can be different according to the size of the object
or the customer's request
The number of Patch can be different according to the size of the object

File Format

TIFF, JPG

Order

nbd@si-imaging.com

※ All data will be provided by FTP.

※ This product is for AI Training only, other purposes are not allowed.



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