



KOMPSAT - 3

Sub-meter in the afternoon

- **High resolution capability**
 - 0.7 m PAN & 2.8 m MS with 16 km swath @ nadir
- **Unique local time increases visibility**
 - 13:30 local time
- **More information per pixel : 14 bits/pixel**
- **Data suit by constellation of Optical and Radar**
 - KOMPSAT-2 (Optical 1 m), KOMPSAT-3 (Optical 0.7 m) and KOMPSAT-5 (SAR 1m, Data available from Q1, 2014)
- **Data continuity guaranteed by long-term government commitment**

Ground Sampling Distance	PAN : 0.7 m @ altitude 685 km (nadir) MS : 2.8 m @ altitude 685 km (nadir)
Swath Width	16 km (nadir)
Spectral Bands	PAN : 450 nm ~ 900 nm MS1 (Blue) : 450 nm ~ 520 nm MS2 (Green) : 520 nm ~ 600 nm MS3 (Red) : 630 nm ~ 690 nm MS4 (NIR) : 760 nm ~ 900 nm
Modulation Transfer Function	System MTF at Nyquist freq. for PAN : 8 % System MTF at Nyquist freq. for MS : 12 %
Signal to Noise	> 100
Location Accuracy	< 70 m CE 90 < 40 m CE 90 with POD / PAD (Expected)
Orbit	Sun Synchronous Orbit - Altitude : 685.13 ± 1 km - Inclination : 98.14 ± 0.05 degree - MLTAN : 13:30 +10/-15 min