



DEFENCE AND SPACE
Intelligence

SPOT

Amsterdam, The Netherlands

AIRBUS

SPOT

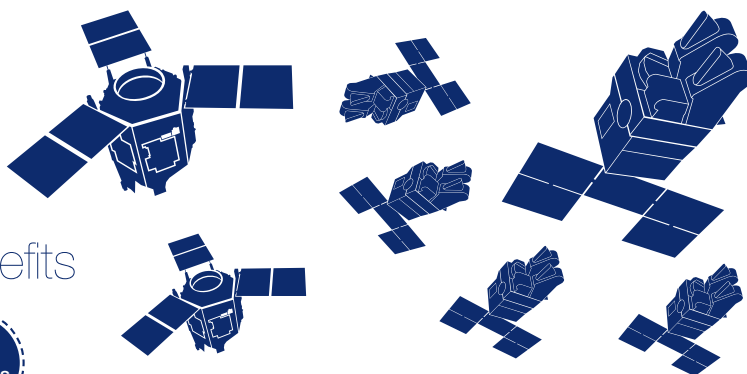
The Ideal Solution for Country-Wide, Demanding Applications

The SPOT constellation is specifically designed to efficiently cover huge areas in record time.

National basemap series are now de-facto updated to support large-scale cartographic and land monitoring applications.

Number of Satellites: 7

Since 1986, SPOT satellites family constituted a unique archive. SPOT 6 and SPOT 7 operating in orbit featuring a true constellation.



SPOT 6/7 Features & Benefits

Key Features

- Global & frequent: daily capacity of 6 million km².
- Wide & homogeneous: 1.5 m products.
- Optimized & efficient: daily revisit capacity anywhere.
- Stereo/Tristereo new acquisitions and archive.

Key Benefits

- Complete coverage of any area of interest in record time. The entire landmass is updated yearly, including nation-wide intra-year monitoring.
- Excellent for topographic cartography from 1/250,000 to 1/25,000.
- Superior coverage speed even in persistent cloudy areas.
- Country-wide and adequate 3D models, with ready-to-go Stereo/Tristereo archive over the driest deserts and the steepest mountains.

SPOT 6/7 Technical Specifications

- Launch SPOT 6: September 9th, 2012; SPOT 7: June 30th, 2014
- Orbit Sun-synchronous: 10:00 AM local time at descending node 26-day cycle, 694 km altitude
- Period 98.79 minutes
- Inclination 98.2°
- Optical System Two Korsch telescopes, each with a 200 mm aperture, delivering the expected swath
- Spectral Bands Pan: 0.45-0.745 mm; Blue = 0.45-0.52 mm, Green = 0.53-0.59 mm, Red = 0.625-0.695 mm, Near Infrared = 0.76-0.89 mm
- Product Resolution Panchromatic: 1.5 m; Multispectral: 6.0 m
- Swath Width 60 km at Nadir
- Dynamic Range at Acquisition 12 bits per pixel
- Viewing Angle Standard: +/- 30° in roll | Extended: +/- 45° in roll
- Revisit capacity, using Both SPOT 6/7 Daily, anywhere
- Pointing Agility Roll/Pitch 60° within 28 seconds including stabilization time
- Acquisition Capability 6,000,000 km² / day (max. capacity), with an average of 3,600,000 km² / day
- Location Accuracy at Nadir < 18 m CE90

Mission Lifetime

Minimum of 10 years with an estimated lifetime of more than 14 years.