



SPOT 5

SPOT-5 is the fifth satellite in the SPOT series of CNES (Space Agency of France), placed into orbit by an Ariane launcher. SPOT 1, 2, 3 and 4 are high resolution satellites that were launched in 1986, 1990, 1993 and 1998 respectively. The satellites captured both panchromatic (black & white) and multispectral (colour) digital imagery. SPOT 4 & SPOT 5 are the only active satellites in this constellation at the moment. The data acquired by these satellites provides valuable insights in the form of historical satellite imagery. SATPALDA can provide historical imagery from these sensors at 10m B&W resolution and 20m color resolution.

Since the first SPOT satellite was launched in 1986, the SPOT system has sought to provide continuity of service and constantly improved the quality of its products for the global user community. SPOT 5 is capable of up to 2.5-meter and 5-meter panchromatic and 10-meter multispectral. SPOT 5 is particularly well suited for timber, vegetation and geological applications with its short wave infrared (SWIR) band.



Below are specifications of SPOT 5 satellite sensors:

Resolution:	Panchromatic : 2.5 m or 5 m (at nadir) Multispectral: 10 m (at nadir)
Nominal swath width:	60 km at Nadir
Bands:	Pan: 480-710 nm Green: 500-590 nm Red: 610-680 nm Near Infrared: 780-890 nm Short Wave Infrared: 1.58-1.75 μ m
Archive availability:	From 2002
Programmability:	Yes
Minimum area of purchase:	1/8th of a scene (20 x 20 km)
Stereo available:	Yes
Best scale:	1:10,000 – (Panchromatic) 1:10,000 – (Pan-sharpened Multispectral) 1:40,000 – (Multispectral)