

# EARTH FROM ALL ANGLES



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# CHARACTERISTICS OF MAIN COMMERCIAL EARTH OBSERVATION SATELLITES

Sensor	Spectral bands	Spatial resolution (m)		Work scale	Stereo capability	Operational since	Features
		P*	XS**				
GeoEye-1	Panchro + 4 XS	0.5	1.7	1:2,000	X	2009	
WorldView-2	Panchro + 8 XS	0.5	1.8	1:2,000	X	2010	
WorldView-1	Panchro	0.5		1:2,000	X	2007	
Pleiades 1-2	Panchro + 4 XS	0.5	2.8	1:5,000	X	Expected in 2011-2012	Daily acquisitions possible
Quickbird-2	Panchro + 4 XS	0.6	2.4	1:5,000		2001	Considerable archives
CARTOSAT-2	Panchro	0.8		1:5,000	X	2007	
IKONOS-2	Panchro + 4 XS	1	4	1:5,000	X	1999	Considerable archives
OrbView-3	Panchro + 4 XS	1	4	1:5,000	X	2003	Only in archive
Komsat-2	Panchro + 4 XS	1	4	1:5,000		1999	
Formosat-2	Panchro + 4 XS	2	8	1:15,000		2004	Daily acquisitions possible over certain regions
ALOS PRISM	Panchro	2.5		1:15,000	X	2006	
CARTOSAT-1	Panchro	2.5		1:15,000	X	2005	
RapidEye	5 XS		5	1:25,000		2008	Constellation of 5 satellites allows daily acquisition
SPOT 5	Panchro + 4 XS	2.5	10	1:20,000	X	2002	Lateral view stereo acquisition, SPOTDEM derived product
ALOS-AVNIR-2	4 XS		10	1:50,000		2006	Considerable archives
SPOT 1-4	Panchro + 4 XS	10	20	1:50,000	X	1986	Considerable archives Lateral view stereo acquisition
Terra-ASTER	15 XS		14 to 90	1:100,000	X	1999	Free ASTER-DEM (30 m resolution)
Landsat 5	7 XS		30	1:200,000		1984	Free data
Landsat 7	7 XS	15	60	1:100,000		1999	Free data, archive only
TerraSAR-X	X-band radar		1 to 16		X	2007	Single or double polarization
TanDEM-X	X-band radar		1 to 16		X	2010	Interferometric pairs in near-simultaneous with TerraSAR-X
Cosmo-Skymed	X-band radar		1 to 100			2007	Constellation of satellites allows daily acquisition (3 out of 4 satellites already launched)
RADARSAT-2	C-band radar		3 to 100		X	2007	Polarimetric, single or double polarization, lateral view stereo acquisition
RADARSAT-1	C-band radar		8 to 100		X	1995	HH polarization only, lateral view stereo acquisition
ALOS-PALSAR	L-band radar		10 to 100			2006	Polarimetric
ENVISAT-ASAR	C-band radar		25 to 150			2002	Single or double polarization

Note: radar sensors (■) can acquire images regardless of meteorological conditions

\*P: panchromatic

\*\*XS: multiband

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For more information,  
please contact our sales personnel at the Order Desk  
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