





A listing of the commercially available remote sensors of their: data type, sensor (platform), spatial scale, extent (GRE), resolution (spectral & radiometric & temporal), frequency (time of day), source/cost and archive. See for more details: on airborne and satellite sensors also: <http://database.eohandbook.com/database/instrumenttable.aspx>, and under water acoustic sensors: [http://www.ozcoasts.org.au/geom\\_geol/toolkit/technical.jsp#aeos](http://www.ozcoasts.org.au/geom_geol/toolkit/technical.jsp#aeos)

Platform		Sensor	Spatial Scales - extent - pixel size	Spectral Resolution and Range	Radiometric Resolution	Temporal Resolution - repeat frequency - time of acquisition	Source(s) for Data	Cost (Indicative only and subject to change. Additional costs may be applicable)	Archives of Data
Digital Airborne Photography		Pan Colour Stereo CIR Stereo	Extremely fine to fine (local) 1:5000 - 1:25000 Extent: 1.3 - 33km <sup>2</sup> per photo GRE: 0.05m - 20m	> 100 nm Low -Broad band - Visible - Colour - Green, Red, NIR	> 10 bit (1024 levels)	User controlled (subject to weather and aircraft availability)	Various organisations	\$90 frame to fly and buy hardcopy (Scanning and georeferencing require additional costs)	Contact companies or agencies to determine (at least annual from 1970)
Airborne multi-spectral		Specterra DMSV Daedalus-1268 ADAR	Extremely fine to fine (local) Extent: 100km <sup>2</sup> GRE: 0.5 - 10.0m	> 100 nm Medium range: 350 - 2500nm #bands: 3-20	Medium: > 8 bit (256 levels)	User controlled (subject to weather and aircraft availability)	SpecTerra Services <a href="http://www.specterra.com.au">www.specterra.com.au</a> AirTarget Services <a href="http://www.airtargets.com.au">www.airtargets.com.au</a>	Contact companies for quotation (approximately \$2 - \$6/km <sup>2</sup> for georeferenced image)	Contact companies for details
Airborne Hyper Spectral		CASI Hymap	Extremely fine to fine (local) Extent: 100km <sup>2</sup> GRE: 0.5m - 10.0m	10-50 nm High Range: 400 - 2500nm #bands: > 20	High > 12 bit (4096 levels)	User controlled (subject to weather and aircraft availability)	DSTO (CASI) <a href="http://www.itres.com">www.itres.com</a> Hyvista Corporation (Hymap) <a href="http://www.hyvista.com">www.hyvista.com</a>	Contact companies for quotes (approx > \$20/km <sup>2</sup> for georeferenced image)	DSTO (CASI) Hyvista Corporation (Hymap)
Airborne laser altimeters		Optech ALTM 1210 / LADS - Profiling laser Enerquest Systems - Scanning laser	Extremely fine to fine (local) Extent: 100km <sup>2</sup> Sampling intensity: 10000 pulses per second. 2-10 samples per 1m <sup>2</sup>	colour of laser?	Not applicable	User controlled (subject to weather and aircraft availability)	Rotor Resources South-West Pacific Helicopters	\$12.50ha for georeferenced DEM + aircraft mobilization ex-Brisbane	