

Technique	Platform	Cost of instrumentation (currency: US Dollars)	Costs per survey (currency: US dollars)	Reference
Spectral signature	Satellite	Costs sustained by space agencies	High resolution: USD 10–30 km ⁻² With minimum order image size: 25–100 km ² Medium resolution (e.g., Landsat): open access	http://www.landinfo.com/satellite-imagery-pricing.html , last access: 2 September 2017
	Manned aircraft	Multispectral cameras: USD 15 000–200 000	Minimum survey cost: ~ USD 15 000–20 000 Rate km ⁻² : USD 300–800 km ⁻²	Online data collection
	UAV	Multispectral cameras: USD 15 000–200 000 Medium-size UAV: USD 3000–30 000	Minimum survey cost: ~ USD 100–300 h ⁻¹ of survey	Online data collection
Through-water photogrammetry	Manned aircraft	Cameras: USD 1000–30 000	Minimum survey cost: ~ USD 15 000–20 000 Rate km ⁻² : USD 300–800 km ⁻²	Online data collection
	UAV	Cameras: USD 500–10 000 Medium-size UAV: USD 3000–30 000	Minimum survey cost: ~ USD 100–300 h ⁻¹ of survey	Online data collection
Lidar	UAV	Lidar: ≈ USD 120 000 Large-size UAV: USD 15 000–30 000	Minimum survey cost: ~ USD 100–300 h ⁻¹ of survey	RIEGL Laser Measurement Systems GmbH, personal communication, 2017 Bangen et al. (2014)
	Manned aircraft	Lidar: USD 100 000–2 500 000 (price range available on the market)	Minimum survey cost: ~ USD 15 000–20 000 Rate km ⁻² : USD 300–800 km ⁻² Post-processing: additional USD 150–300 km ⁻²	
TLS	In situ	TLS: USD 65 000–225 000	Minimum survey cost: ~ USD 60–100 h ⁻¹ Survey efficiency: 1.4–1.9 h/scan	Bangen et al. (2014)
Single-beam and multi-beam swath sonar	Manned Boat	USD 200–2000 (single-beam sonar) USD 20 000–100 000 (multi-beam sonar)	Minimum survey cost: ~ USD 100–500 h ⁻¹ of survey	Online data collection
Sonar tethered to UAV	UAV	Sonar: USD 240 Radar, camera, IMU, and GNSS: USD 6000–10 000 Medium-size UAV: USD 3000–30 000	Minimum survey cost: ~ USD 100–300 h ⁻¹ of survey. Survey efficiency: average flight speed of ~ 0.5 m s ⁻¹	This paper