

An aerial photograph of a city and port area, showing a dense urban landscape with a river and a large port facility. A semi-transparent green rectangular overlay is positioned in the center of the image, containing text.

Intelligence

KazEOSat-1

New Dimension of
Imagery Services

KazEOSat-1

Superior Image Quality, Tackling Challenging Acquisitions

Earth observation satellite KazEOSat-1 brings Airbus Defence and Space's broad constellation services to a new dimension. Launched in April 2014, the very high-resolution (1 metre) satellite provides high quality mono and stereo monitoring over challenging areas at a competitive price.

Features

- Accurate and reliable: first-rate geometric and radiometric qualities.
- Optimized and accessible tasking resource.
- Agile and effective: multi-strip acquisitions and stereo capacity.

Benefits

- Ideal for topographic mapping up to 1:15,000 scale and demanding applications.
- Rapid collection and delivery of tricky targets for oil, gas and mining sector as well as defence purposes.
- Cost effective solution for new collections in both mono and stereo.



Technical Specifications

Number of Satellites	1
Launch	April 30, 2014
Orbit	Sun-synchronous, 630-km altitude
Spectral Bands	Panchromatic, Blue, Green, Red, Near-Infrared for all acquisitions
Product Resolution	Panchromatic: 1m; Multispectral: 4m
Geolocation Accuracy	15m RMS at Nadir without GCP
Dynamic Range at Acquisition	12 bits
Swath	20km at Nadir
Revisit Capacity	2-3 days
Pointing Agility	Up to 35° off-Nadir. Allows multi-strip collection in a single pass up to 60 x 90km, as well as Stereo imaging
Acquisition Capacity	220,000km ² / day
Mission Lifetime	>7 years