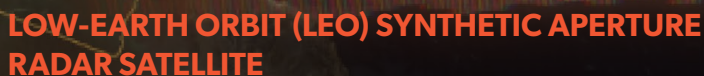


## SIRB SATELLITE

# ENVIRONMENTAL IMAGING ENVIRONMENTAL RESCUE

A satellite is shown in orbit above a dark, textured surface representing Earth. A bright, multi-colored radar beam emanates from the satellite, scanning across the surface. The beam is composed of many thin, parallel lines in various colors, creating a rainbow-like effect. The satellite itself is a dark, rectangular object with a circular antenna or sensor on its side.

### LOW-EARTH ORBIT (LEO) SYNTHETIC APERTURE RADAR SATELLITE


The FADA SIRB is a low-earth orbit (LEO) synthetic aperture radar satellite that provides vital imaging data for use in maritime surveillance, monitoring and search and rescue, as well as environmental and climate change science monitoring and data collection.

It provides reliable ultra-high-resolution imaging in all weather conditions, both day and night. With three imaging modes, Spotlight, Stripmap, and ScanSAR, the satellite can provide detailed spot imaging, as well as medium- and wide-swath imaging to meet different scientific and engineering requirements.

# SPECIFICATIONS



## KEY FEATURES

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- Very high-resolution & quality imaging
  - All-weather, day and night imaging
  - High Speed Data- Downlink
  - Compatible with scan strip spot acquisition mode
  - High duty cycle up to 3% of the orbit
  - Phase array antenna technology with electronic beam steering
  - Empowers scientists and engineers with valuable data
  - Wide swath and broad look angles ensure low revisit time.