

Mission Drishti

May 4, 2026 • vajiramandravi.com



Mission Drishti Latest News

Recently, Bengaluru-based space start-up GalaxEye successfully launched its Mission Drishti satellite aboard Falcon 9 from California.

About Mission Drishti

- It is the world's first multi-sensor **Earth observation (EO) satellite**.
- It is India's **largest privately built satellite** and also the highest-resolution satellite developed in the country.
- It is planned by Bengaluru **based space startup - GalaxEye**.

Key Features Mission Drishti

- It is the **world's first OptoSAR satellite**, combining **electro-optical (EO)** and **synthetic aperture radar (SAR)** sensors into a single platform.

- While **EO sensors capture** high-resolution images **in daylight** and clear skies, **SAR enables** imaging in all **weather conditions and at any time using radar pulses.**
- It is engineered as a **remote-sensing Earth observation system**, optimised for spatial, spectral and temporal resolutions to capture high-precision imagery.
- The satellite weighs **190 kg and offers 1.5 metre resolution.**
- **Range of applications:** It will enable **governments, defence agencies** and industries to perform advanced geospatial analysis across a wide range of applications, including;
 - Border surveillance, disaster management, defence, infrastructure monitoring, agriculture financial and insurance assessment etc.

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