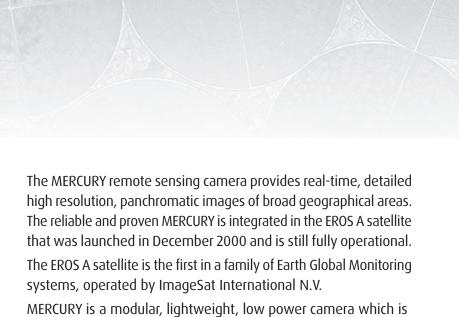
MERCURY

Earth Global Monitoring Satellite



Features

- Orbits in a polar orbit at an altitude of ~500 km.
- Provides panchromatic images with a 1.9 m resolution or 1-1.4

easily integrated in LEO small/micro, lightweight satellites.

• meter resolution with hyper-sampling techniques.



MERCURY

Earth Global Monitoring Satellite

Applications

The MERCURY camera provides high spatial resolution earth imaging and mapping for a wide range of security/ military and civilian applications:

Thematic surveys

- Military surveillance and reconnaissance
- I&W
- Situational awareness
- Operational planning
- BDA

Civilian applications

- Homeland security
- Emergency planning and operations
- Environmental monitoring
- Energy and infrastructure
- Natural and man-made resources

Technical Data

GSD (m) @ 500 km	1.9
Swath (km) @ 500 km	13.3
Aperture (m)	0.3
Focal length (m)	3.45
F/#	11.5
Spectral range (µm)	0.5-0.9
Detector pitch (µm)	13
Number of pixels	7000
Max TDI	32/96
Duty cycle (%)	20
Peak (imaging) power (W)	30
Mass (kg)	25



