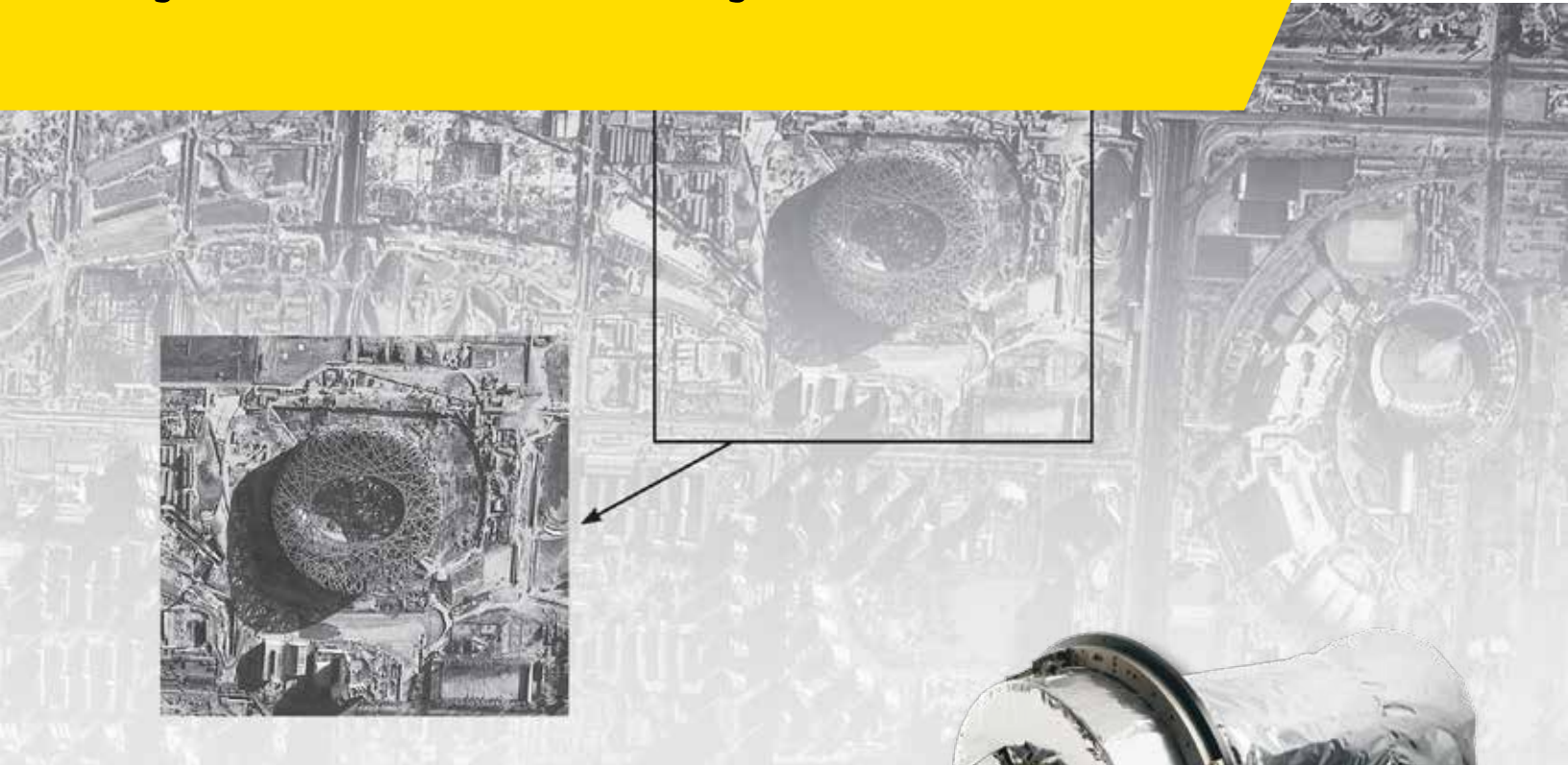


ELOP NEPTUNE

High Resolution Remote Sensing Camera



The high resolution NEPTUNE remote-sensing camera provides real-time, detailed panchromatic images.

NEPTUNE, integrated in the EROS B satellite that was launched in April 2006 and is still fully operational, has proved its high reliability. The EROS B satellite is the second in a family of Earth Global Monitoring systems, operated by ImageSat International N.V.

Main Advantages & Features

- Orbits at an altitude of ~500 km providing 70 cm resolution panchromatic image
- Selectable exposure by ground-controlled TDI levels (1, 8, 32, 64, 96) that enables better adaptation for special imaging conditions

ELOP NEPTUNE

High Resolution Remote Sensing Camera

Applications

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

- **Military surveillance and reconnaissance**

- Detailed high value target investigation
- High definition of small and discrete vehicles, objects and structures
- High quality I&W
- High quality situational awareness
- Detailed operational planning
- Enhanced 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	0.67	0.79
• Swath (km) @ 500 km	6.7	7.9
• Aperture		0.5
• Focal length (m)		8.25
• F/#		16.5
• Spectral range (µm)		0.5-0.9 (note 1)
• Detector pitch (µm) - 2 options	11	13 (note 2)
• Number of pixels	10,000	10,000
• Max TDI		96
• Duty cycle (%)		20
• Peak (imaging) power (W)		50
• Mass (kg)		45



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