Mission Life
7.25 years

Size
18.7 feet tall, 8 feet across, 23 feet across the deployed solar arrays

Mass
6,200 pounds

Connecting Back to Earth
A steerable antenna shoots all images and data at 1.2 gigabits per second – faster than the fastest Wi-Fi networks.

SWIR
The shortwave infrared (SWIR) sensor inside the telescope can identify types of trees and minerals by the chemical makeup.

CAVIS Sensor and Optics
CAVIS Radiator

Solar Arrays
Star Trackers
Telescope
Cameras
The 3.6-foot-wide telescope housing contains two cameras: one for conventional photos in the visible light spectrum and one for shortwave infrared.

Better Resolution
The camera can discern items as small as a baseball base.

SWIR

New CAVIS
Without CAVIS