Fast Facts

Landsat 9 animations/stills: https://svs.gsfc.nasa.gov/13259
Images of Landsat 9 spacecraft at VSFB: https://images.nasa.gov/ (search "Landsat 9")
Landsat mission video features: https://svs.gsfc.nasa.gov/Gallery/Landsat.html
Landsat 9 Interactive primer: www.nasa.gov/Landsat9
Landsat images of Earth: https://landsat.visibleearth.nasa.gov

Launch Date: No earlier than Sept. 27, 2021
Launch Location: Vandenberg Space Force Base, California
Launch Vehicle: United Launch Alliance Atlas V 401 rocket
Orbital Altitude: 438 miles (705 kilometers)
Spacecraft speed: 16,760 mph (26,972 kph), or 4.6 miles per second (7.5 kilometers per second)
Orbit Duration: 99 minutes
Orbits per Day: ~14
Images per Day: 700+
Coverage of Earth: Images land and coastal regions every 16 days. (Together, Landsat 8 and Landsat 9 provide 8-day coverage.)

SPACECRAFT
Size: 15 feet (4.6 meters) tall, 10 feet (3 meters) deep, 10 feet (3 meters) long. Once in orbit, a deployable 32-foot (9.8-meter) solar panel and 4-foot (1.2-meter) Earth shield add to length.
Mass: 5,975 pounds (2,710 kilograms)
Mission Design Life: 5 years, with fuel for at least 10 years.
Instruments: Operational Land Imager 2 (OLI-2), Thermal Infrared Sensor 2 (TIRS-2)

SCIENCE
Landsat scenes in USGS archives: More than 9 million. (One scene covers approx. 118 by 112 miles, or 190 by 180 kilometers.)
Cost per scene: Free and available to the public at usgs.gov/landsat

Landsat 9 spectral bands: 11 total. OLI-2 measures four visible, one near-infrared, three shortwave-infrared, and one panchromatic band. TIRS-2 measures two thermal bands.
Landsat pixel size: 49 feet (15 meters) square for OLI-2 panchromatic band; 98 ft (30 m) square for other OLI-2 bands on OLI-2; 328 ft (100 m) for TIRS-2 thermal bands.

PARTNERS
Mission Management and Operations: NASA's Goddard Space Flight Center manages the development of Landsat 9 through its launch and post-launch checkout. The USGS Earth Resources Observation and Science Center operates the satellite ground system and manages the data archive.
Spacecraft Provider and Observatory Integration: Northrop Grumman
OLI-2 Provider: Ball Aerospace
TIRS-2 Provider: NASA's Goddard Space Flight Center

For more information:
www.nasa.gov/landsat9, www.nasa.gov/landsat , landsat.gsfc.nasa.gov , or usgs.gov/landsat