

# Giant space camera nears completion

Work in California is almost finished on the world's largest digital camera, the key component of the new *Vera C. Rubin Observatory*, currently under construction atop a mountain in northern Chile

**SLAC National Accelerator Laboratory, Menlo Park  
CALIFORNIA, U.S.**

Pacific Ocean

**Cerro Pachón  
CHILE**

*Vera C. Rubin  
Observatory*

## LEGACY SURVEY OF SPACE AND TIME (LSST) CAMERA

**3.2 gigapixel  
sensor can  
spot golf ball  
24km away**

Utility trunk (support electronics)

Additional filters

Sensor

Lens

Filter

Lens

Lens

1.65m

Camera  
clean  
room

## TELESCOPE

**2024: Start of  
project to scan  
southern hemisphere  
sky every night for  
10 years – building  
vast map including  
20 billion galaxies  
and 17 billion stars  
in *Milky Way***

Elevator

Control  
room

Machine shop